

KL 21-2,3,4

Water Resources Survey

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Part II:

MAPS SHOWING IRRIGATED AREAS IN COLORS
DESIGNATING THE SOURCES OF SUPPLY

Big Horn County, Montana

Published by

STATE ENGINEER AND STATE
WATER CONSERVATION BOARD

Helena, Montana, May, 1947



17

WATER RESOURCES SURVEY

Big Horn County, Montana

Part II

Maps Showing Irrigated Areas

Published by
STATE ENGINEER
and
STATE WATER CONSERVATION BOARD

HELENA, MONTANA
MAY, 1947

STATE ENGINEER'S OFFICE

State Engineer	-	-	-	-	-	-	-	-	-	Fred E. Buck
Assistant	-	-	-	-	-	-	-	-	-	Gerald J. Oravetz

STATE WATER CONSERVATION BOARD

Governor Sam C. Ford	-	-	-	-	-	-	-	-	-	Chairman
O. S. Warden	-	-	-	-	-	-	-	-	-	Vice-Chairman
D. P. Fabrick	-	-	-	-	-	-	-	-	-	Member
C. H. Raymond	-	-	-	-	-	-	-	-	-	Member
Fred E. Buck	-	-	-	-	-	-	-	-	-	Member and Chief Engineer
R. J. Kelly	-	-	-	-	-	-	-	-	-	Assistant Secretary

MONTANA STATE AGRICULTURAL EXPERIMENT STATION

O. W. Monson	-	-	-	-	-	-	-	-	-	Irrigation Engineer and Consultant
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May, 1947

Hon. Sam C. Ford
Capitol Building
Helena, Montana

Dear Governor Ford:

Submitted herewith is a consolidated report on the water resources survey of Big Horn County, Montana. This work is being carried on by funds made available to the State Engineer and the State Water Conservation Board by the 29th Legislative Session, 1945.

The report is divided into two booklets—part one consisting of the history of land and water use, irrigated lands, water rights, etc., while part two contains all of the township maps showing in color the lands irrigated from each canal.

The office files contain minute descriptions and details of each individual water right, water and land use, etc., which are too voluminous to be included herein. These office files are available for inspection to those who are interested.

Mr. Gerald J. Oravetz, Assistant State Engineer, has directed the detail office and field work of this project and is entitled to much credit for the excellent accomplishment.

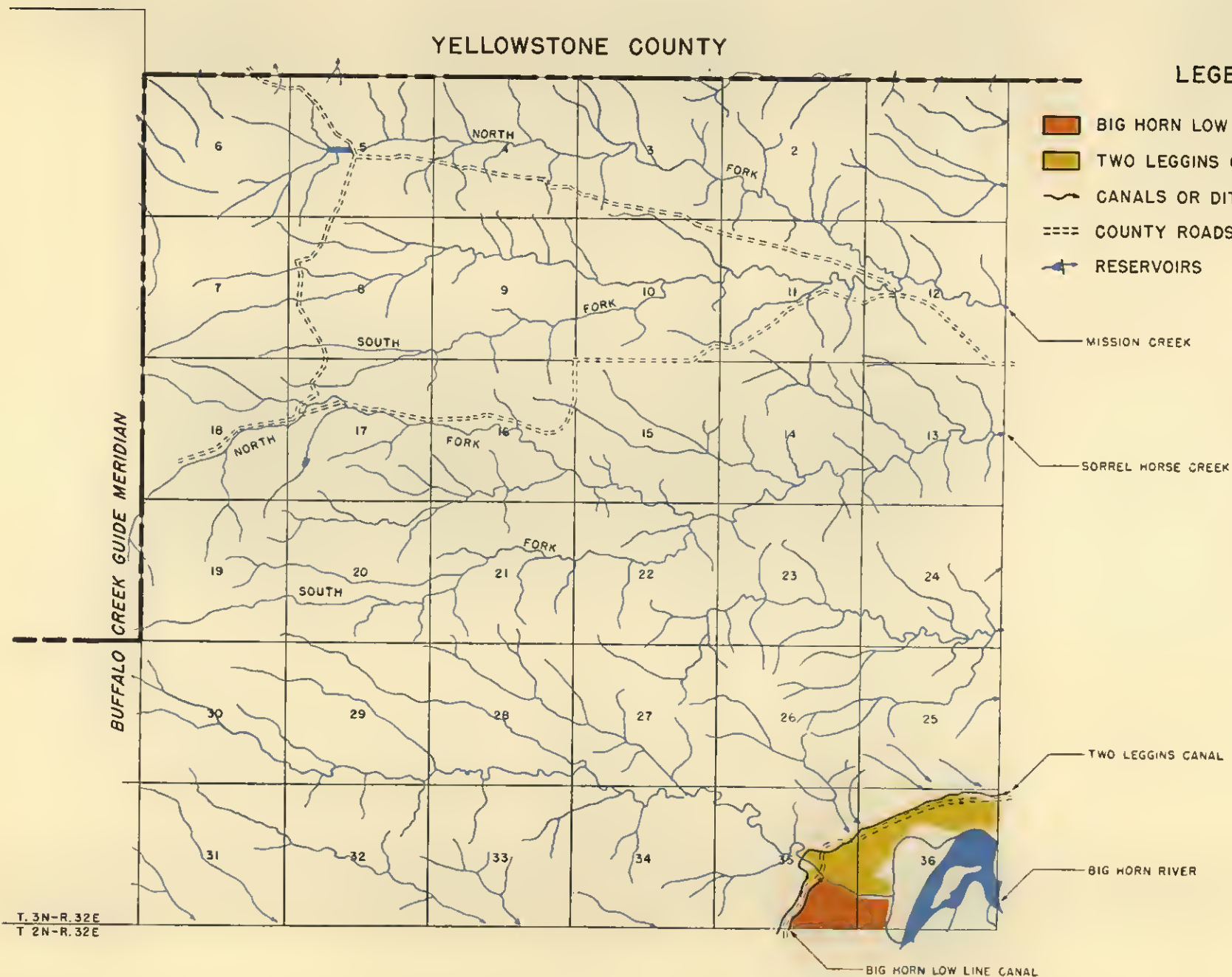
Respectfully submitted,

FRED E. BUCK,
State Engineer.

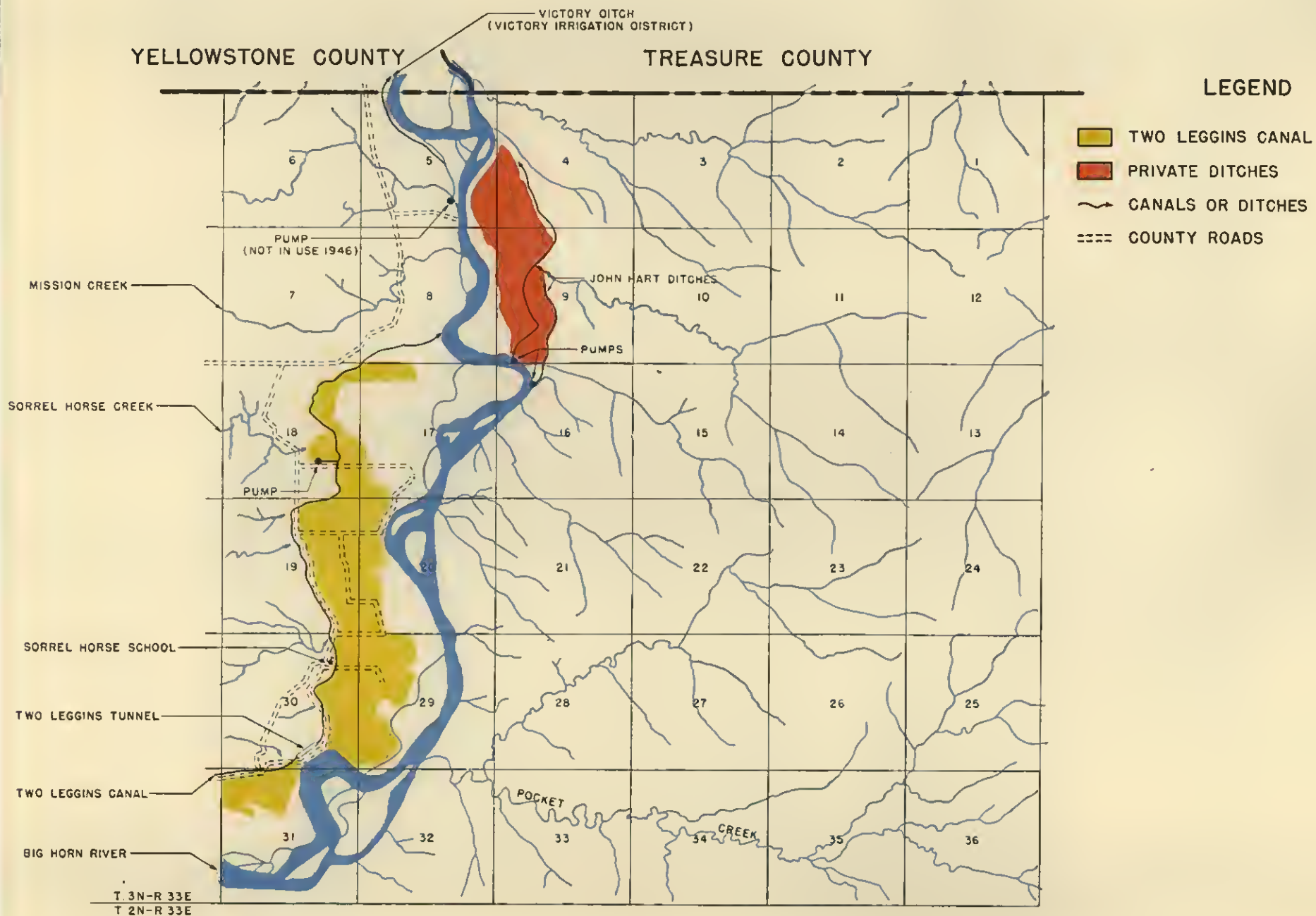
YELLOWSTONE COUNTY

LEGEND

- BIG HORN LOW LINE CANAL
- TWO LEGGINS CANAL
- CANALS OR DITCHES
- COUNTY ROADS
- RESERVOIRS



T. 3N-R. 32E
T. 2N-R. 32E



Township No. 2 NORTH

Range No. 30 EAST

County BIG HORN

T. 2 NORTH

R. 30 EAST

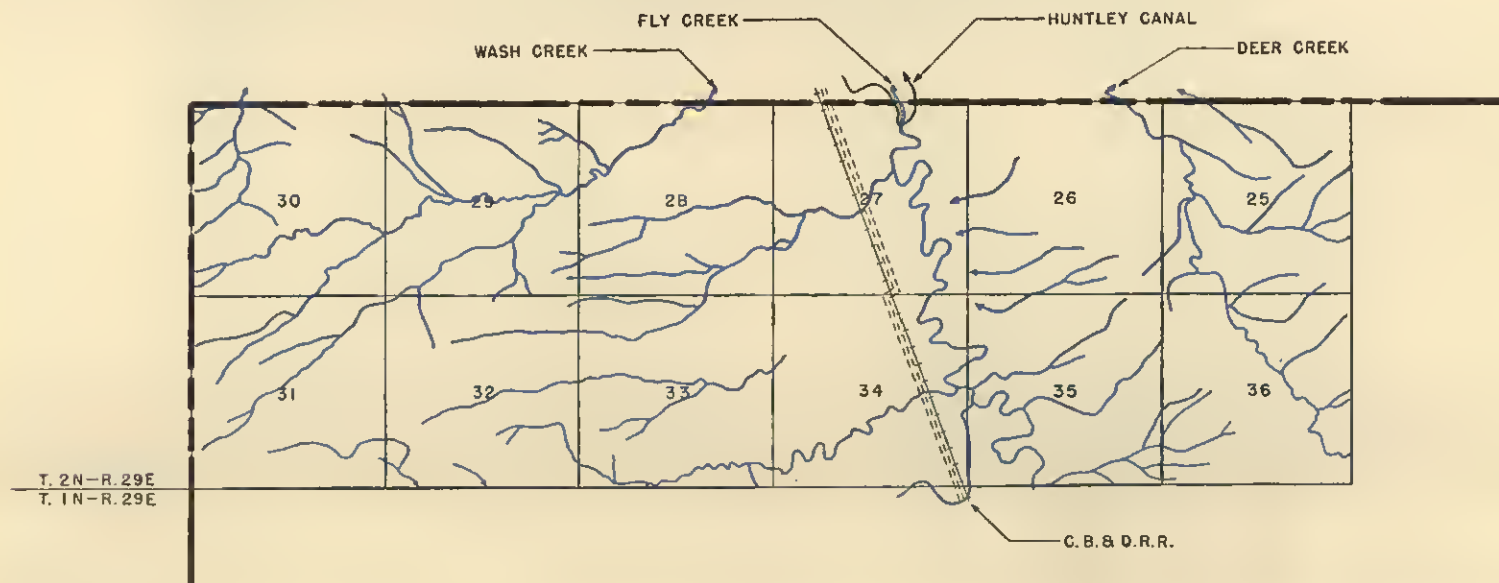
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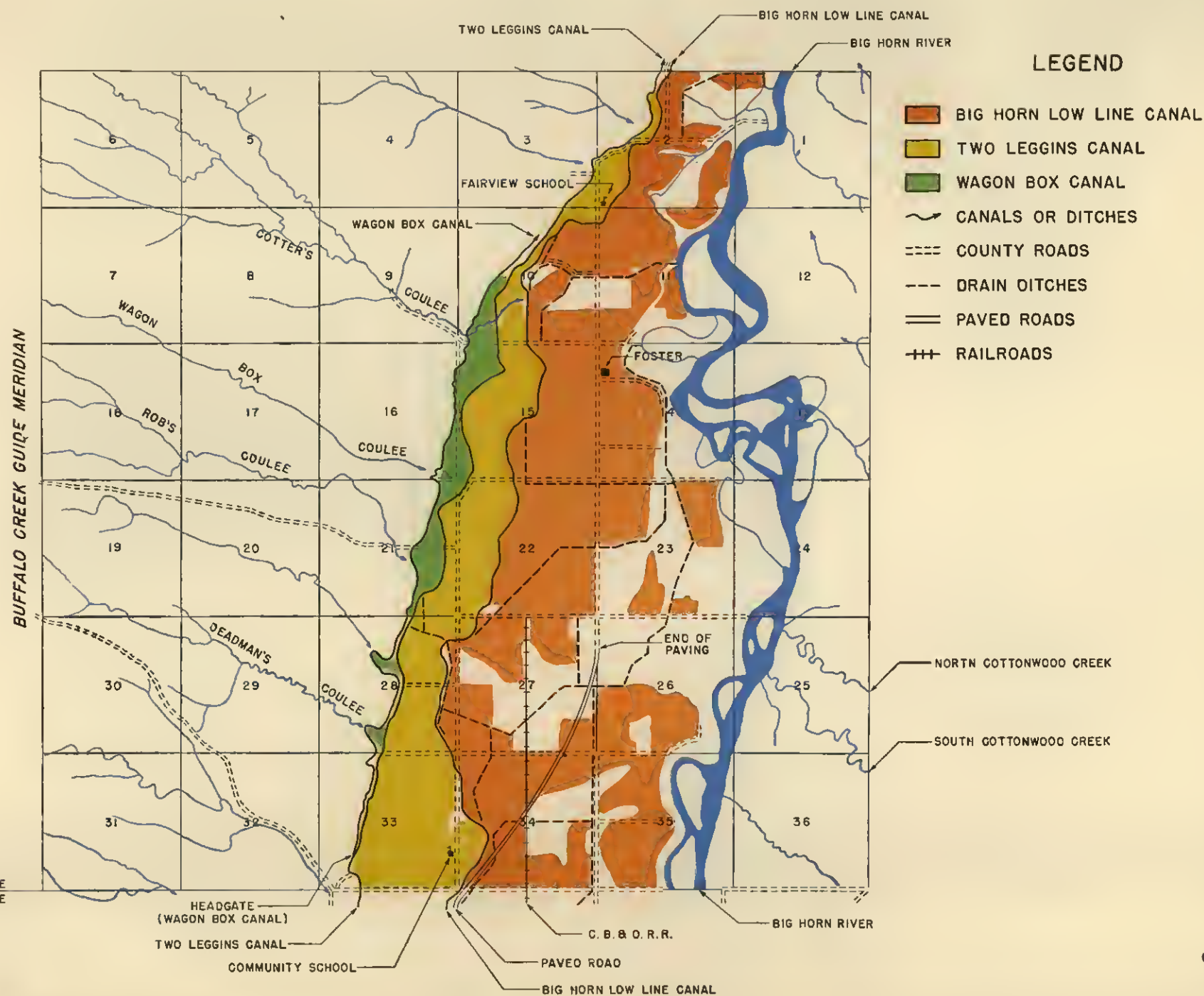
~ CANALS OR DITCHES

==== COUNTY ROADS

+++ RAILROADS





YELLOWSTONE COUNTY





TREASURE COUNTY

LEGEND

-  PRIVATE DITCHES
-  CANALS OR DITCHES
-  COUNTY ROADS
-  RESERVOIRS

FLOOD IRRIGATION

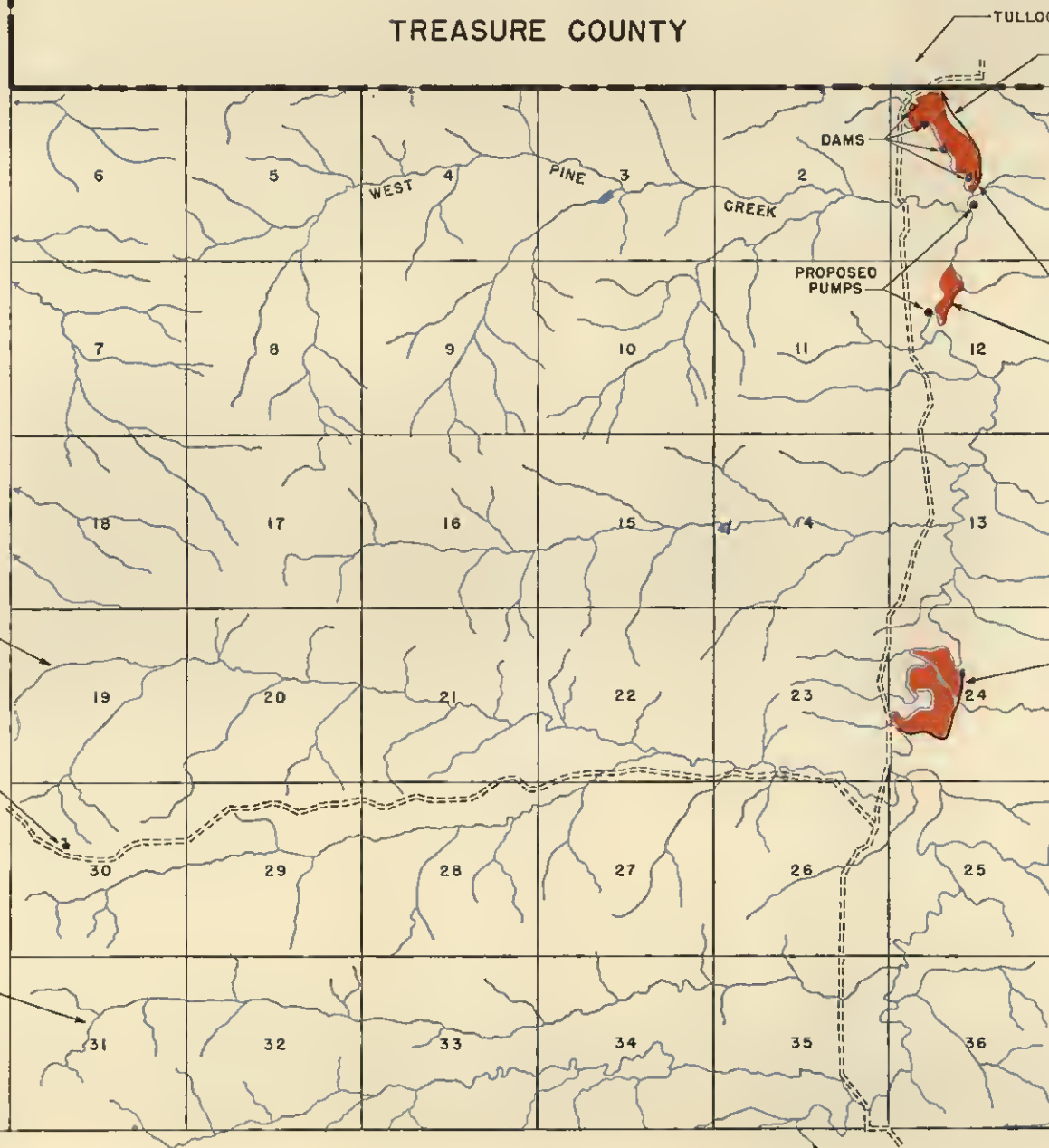
PRIVATE DITCH

TULLOCK CREEK

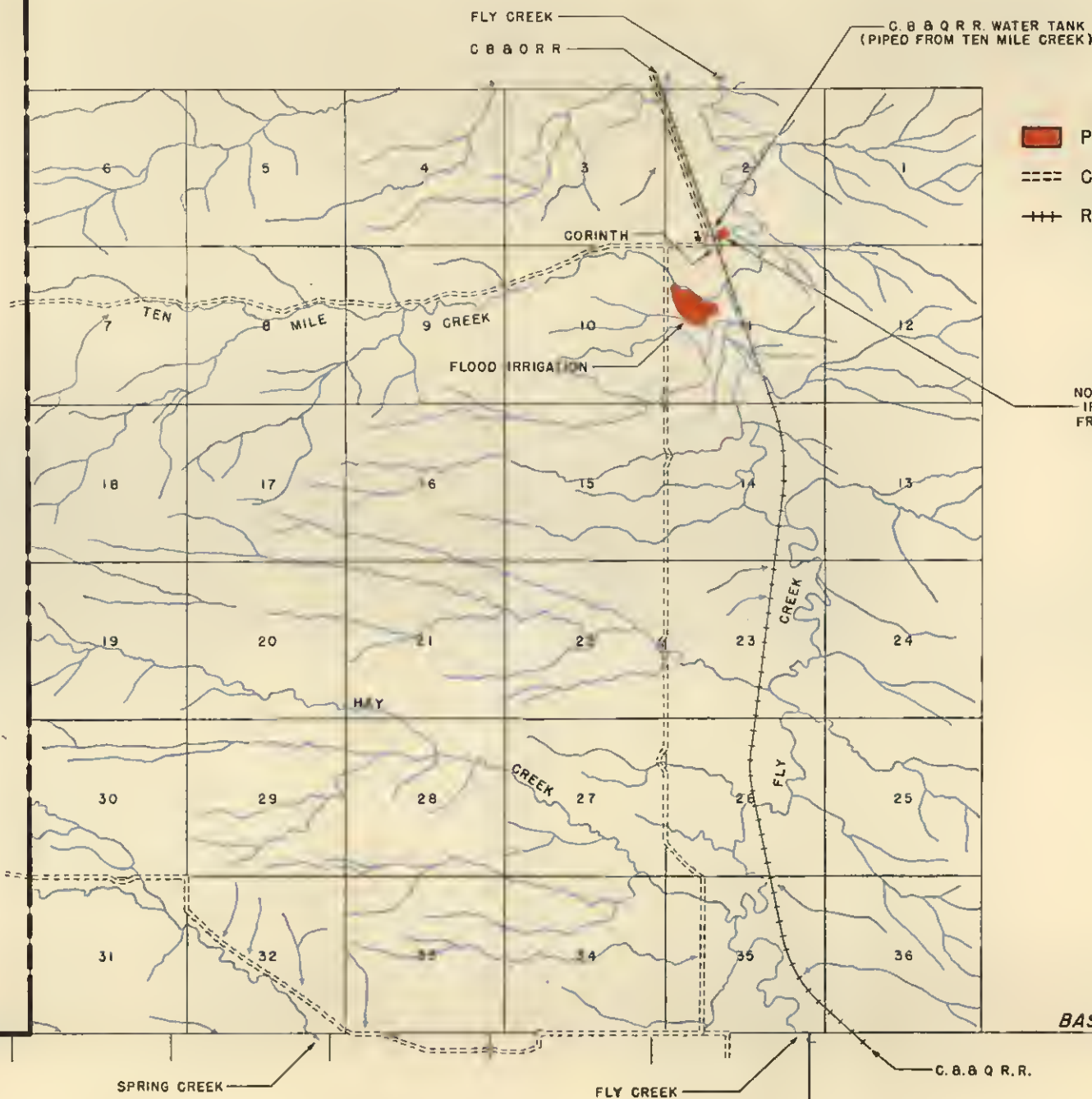
WEST COTTONWOOD CREEK

SCHOOL

COTTONWOOD CREEK

T. 2N-R. 34E
T. 1N-R. 34E

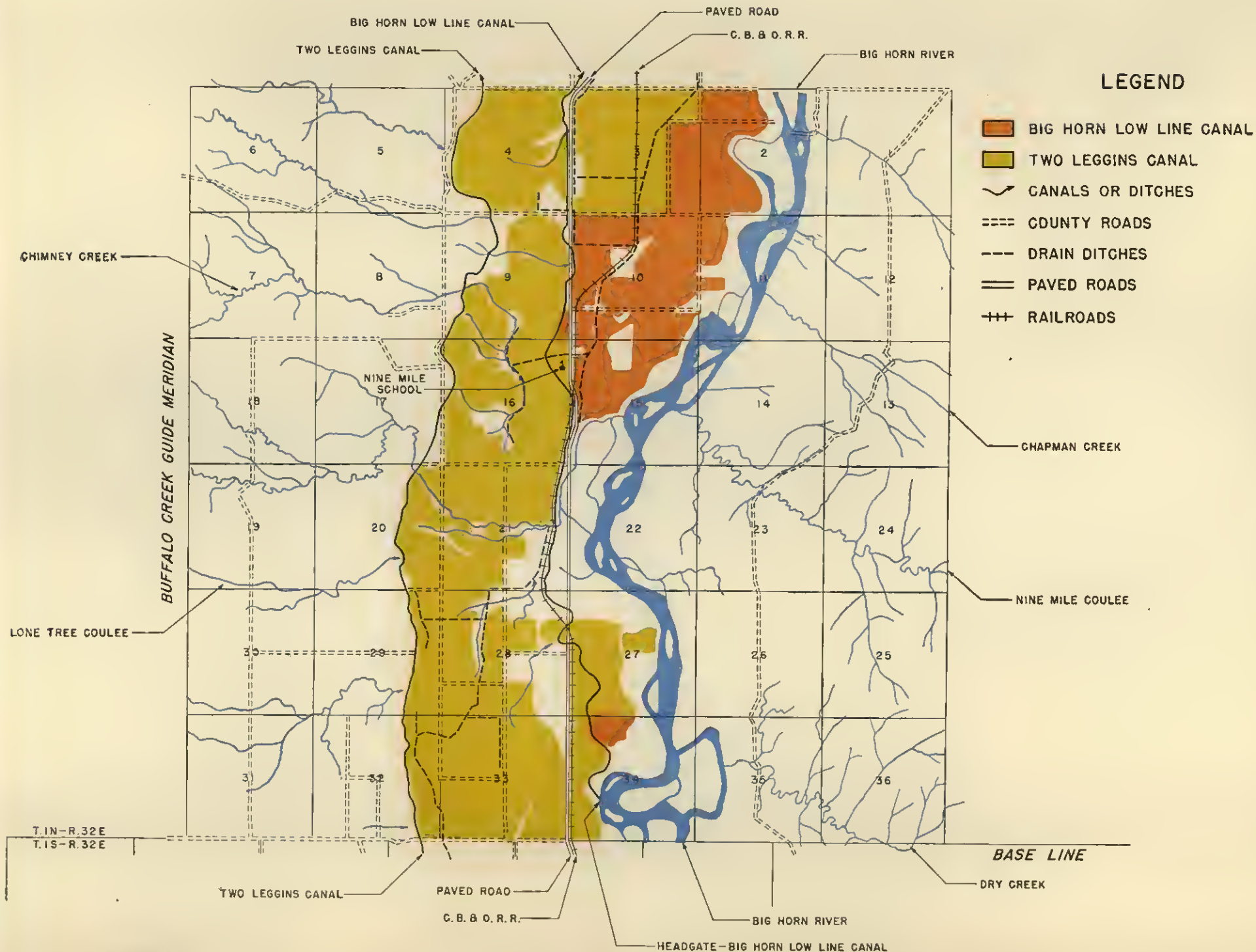
YELLOWSTONE COUNTY



LEGEND




- PRIVATE DITCHES
- COUNTY ROADS
- RAILROADS

NOTE:
IRRIGATED BY OVERFLOW
FROM C.B. & Q.R.R. WATER TANK



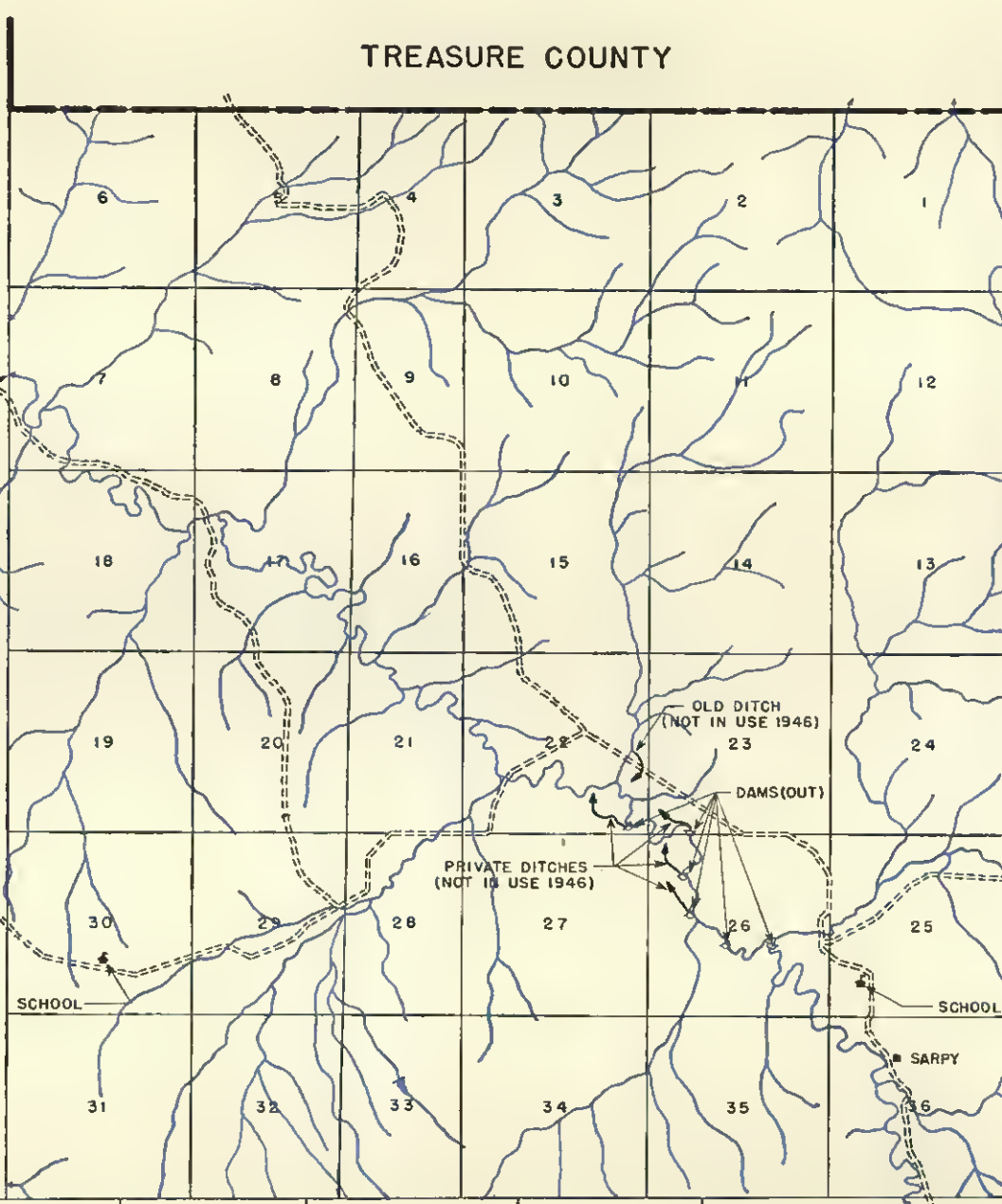
TREASURE COUNTY

LEGEND

-  CANALS OR DITCHES
-  COUNTY ROADS
-  RESERVOIRS

ROSEBUD COUNTY

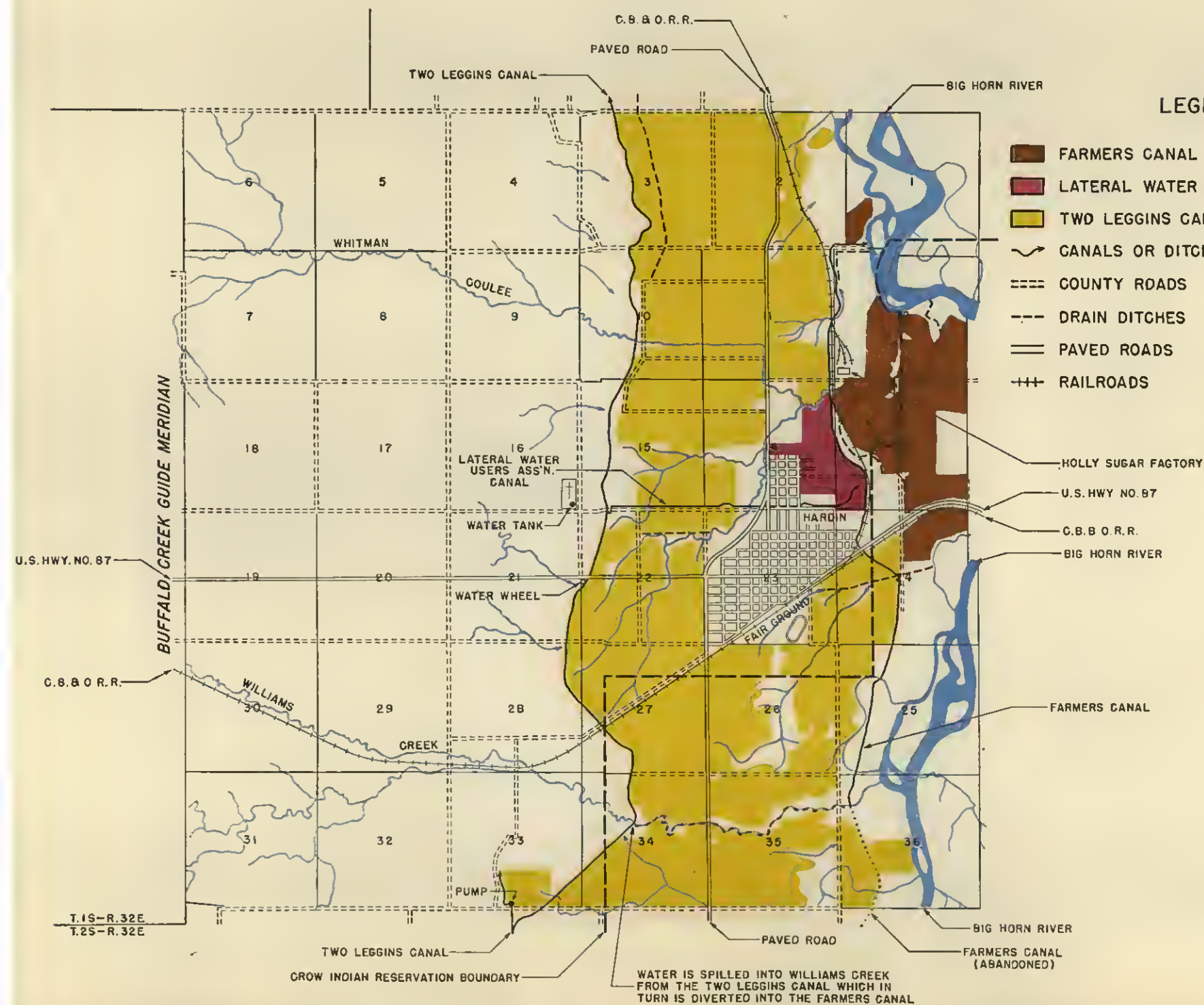
EAST FORK SARPY CREEK

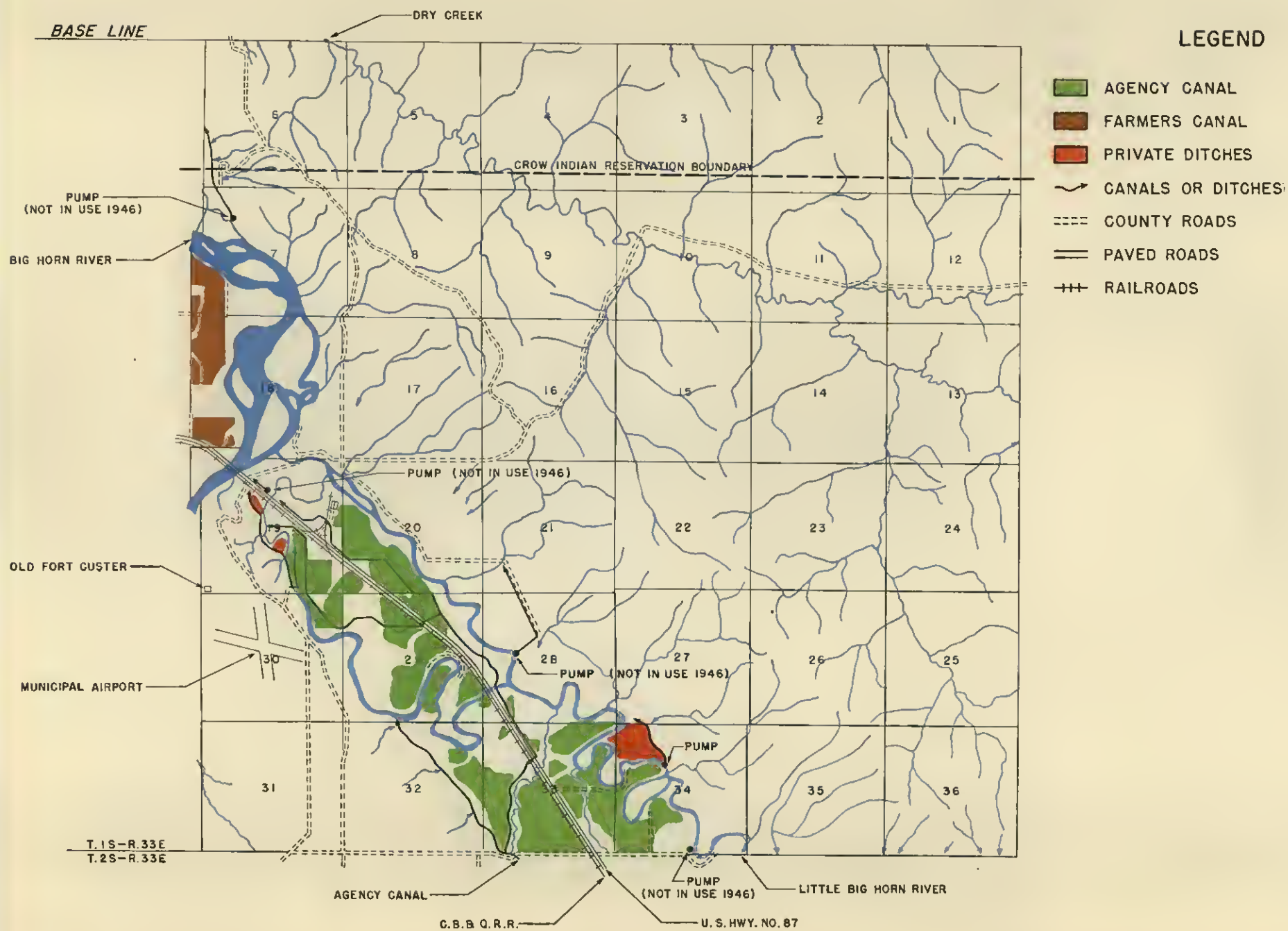


T 1 N - R. 37 E
T 1 S - R. 38 E

LEGEND

- FARMERS CANAL
- LATERAL WATER USERS ASS'N. CANAL
- TWO LEGGINS CANAL
- CANALS OR DITCHES
- COUNTY ROADS
- DRAIN DITCHES
- PAVED ROADS
- RAILROADS





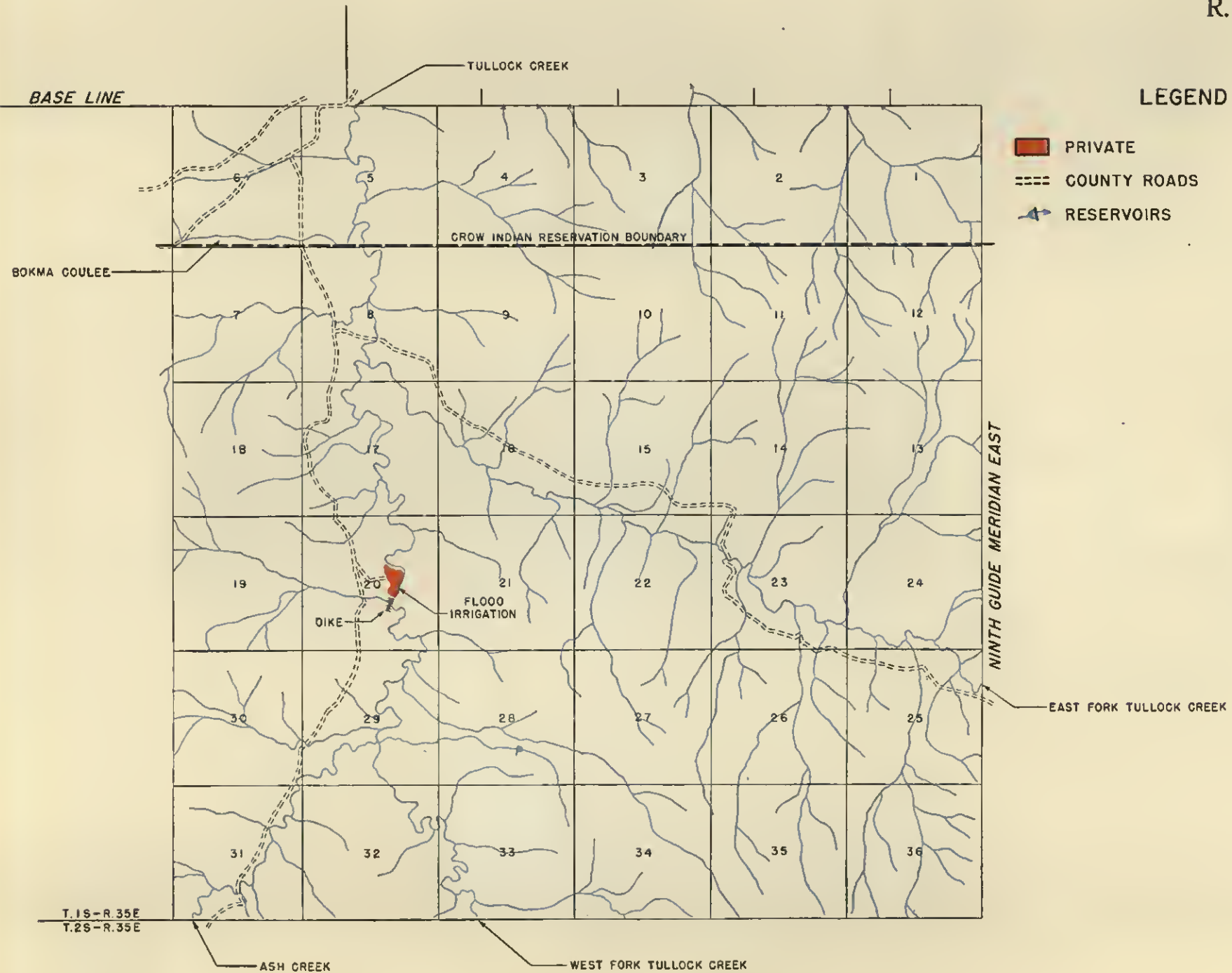
Township No. 1 SOUTH

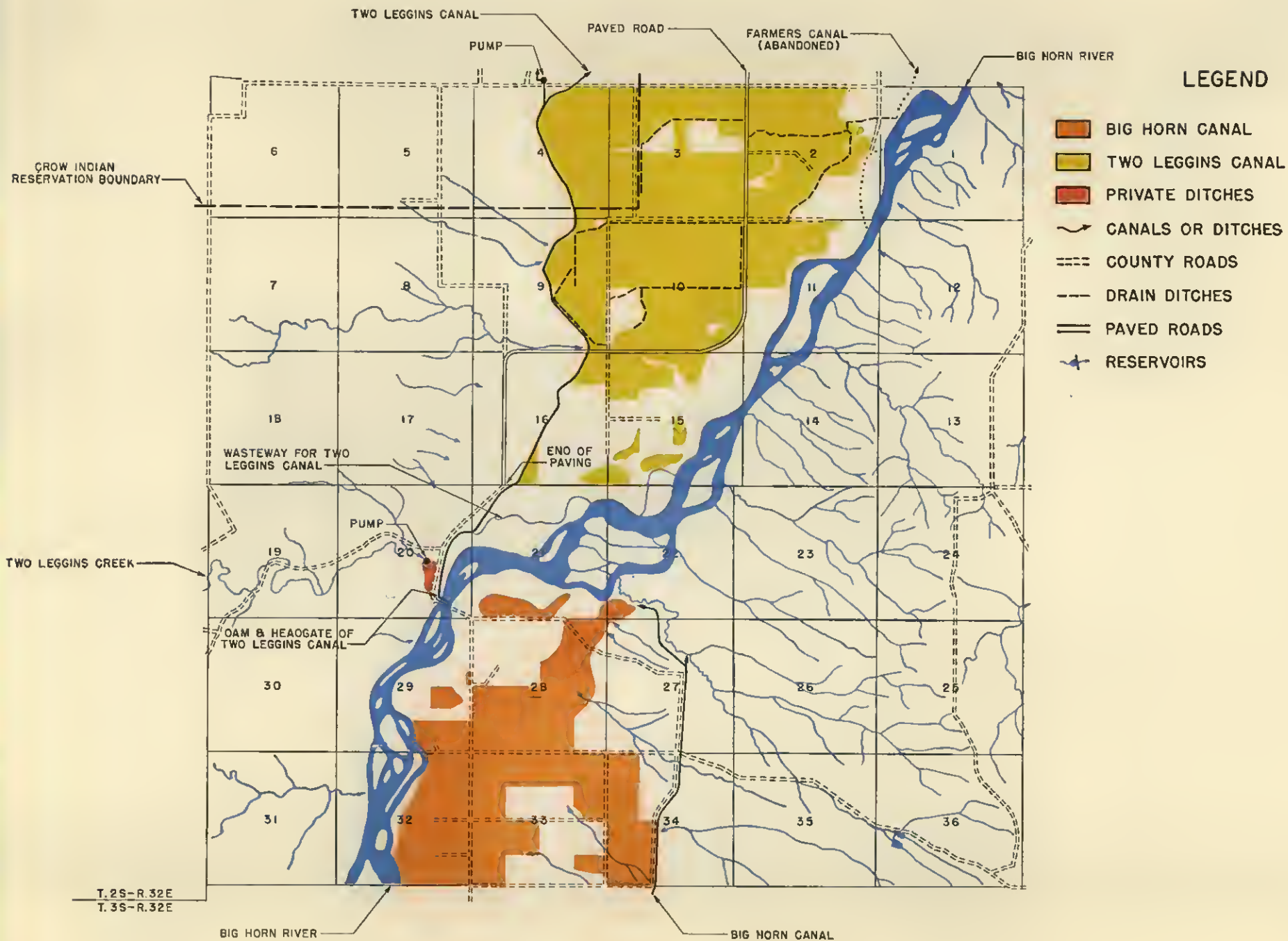
Range No. 36 EAST

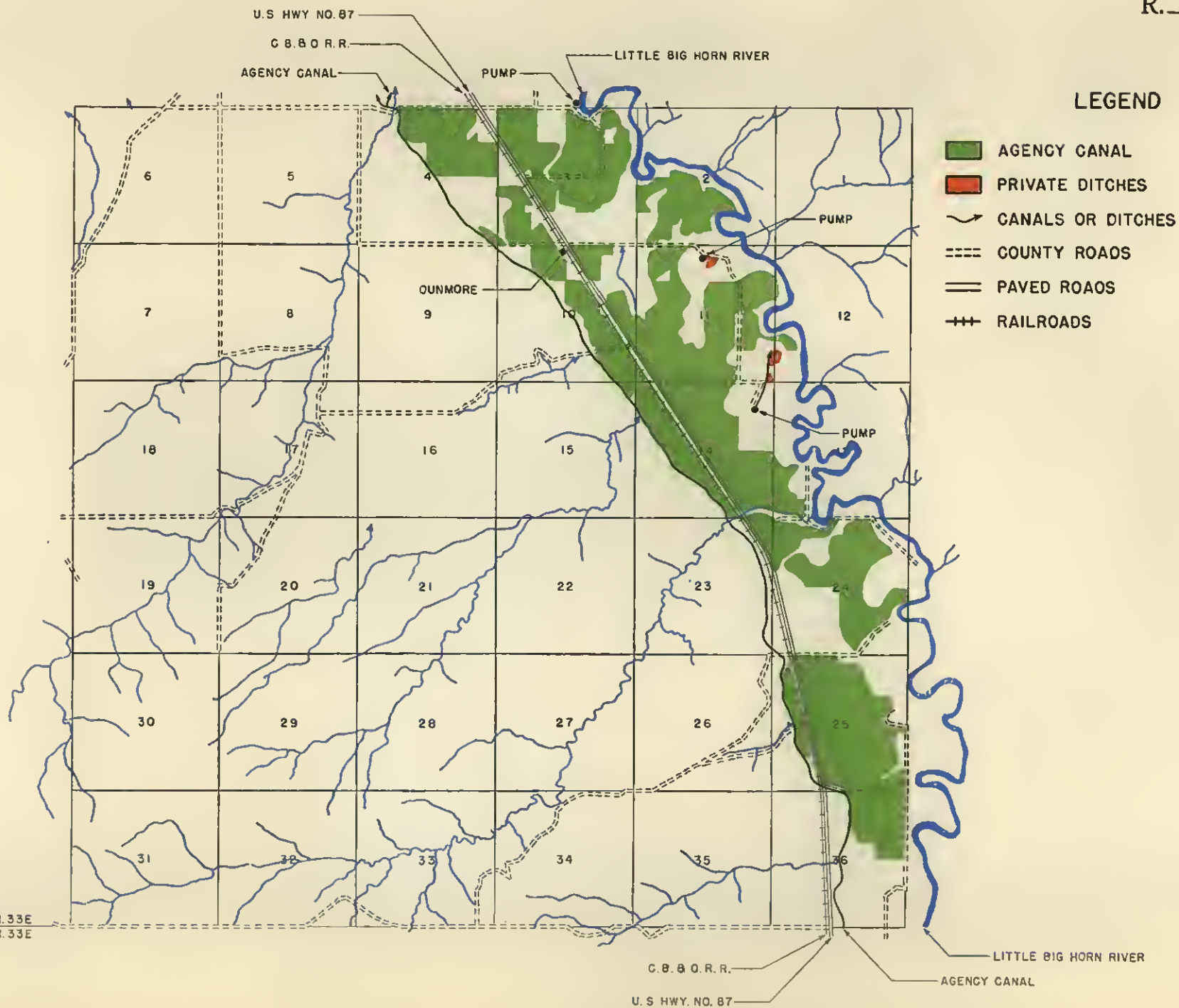
County BIG HORN

T. 1 SOUTH

R. 36 EAST







ASH CREEK

LEGEND

- AGENCY CANAL
- COUNTY ROADS
- RESERVOIRS

LITTLE BIG HORN RIVER

PUMP
(NOT IN USE 1946)

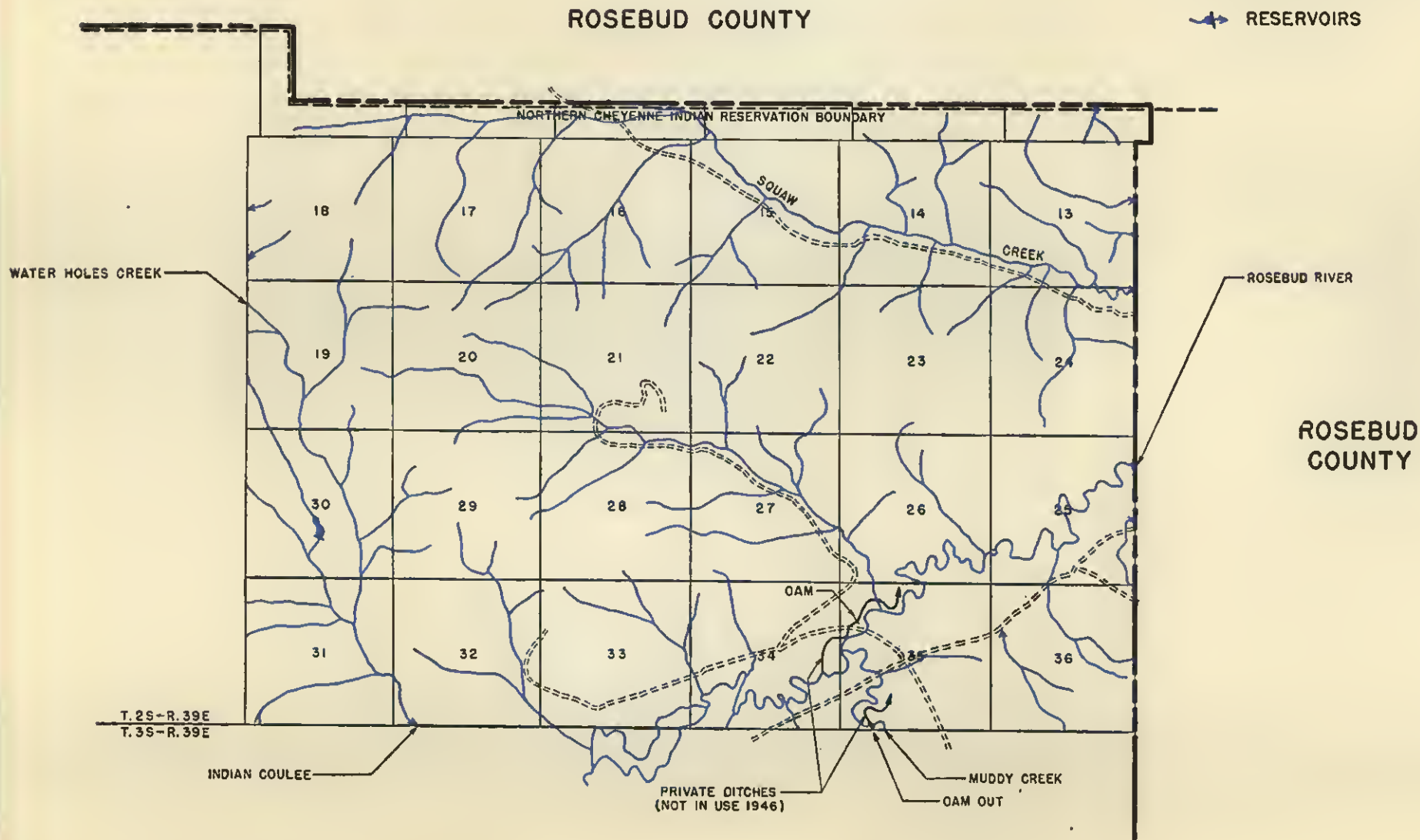
T. 2S-R. 34E
T. 35-R. 34E

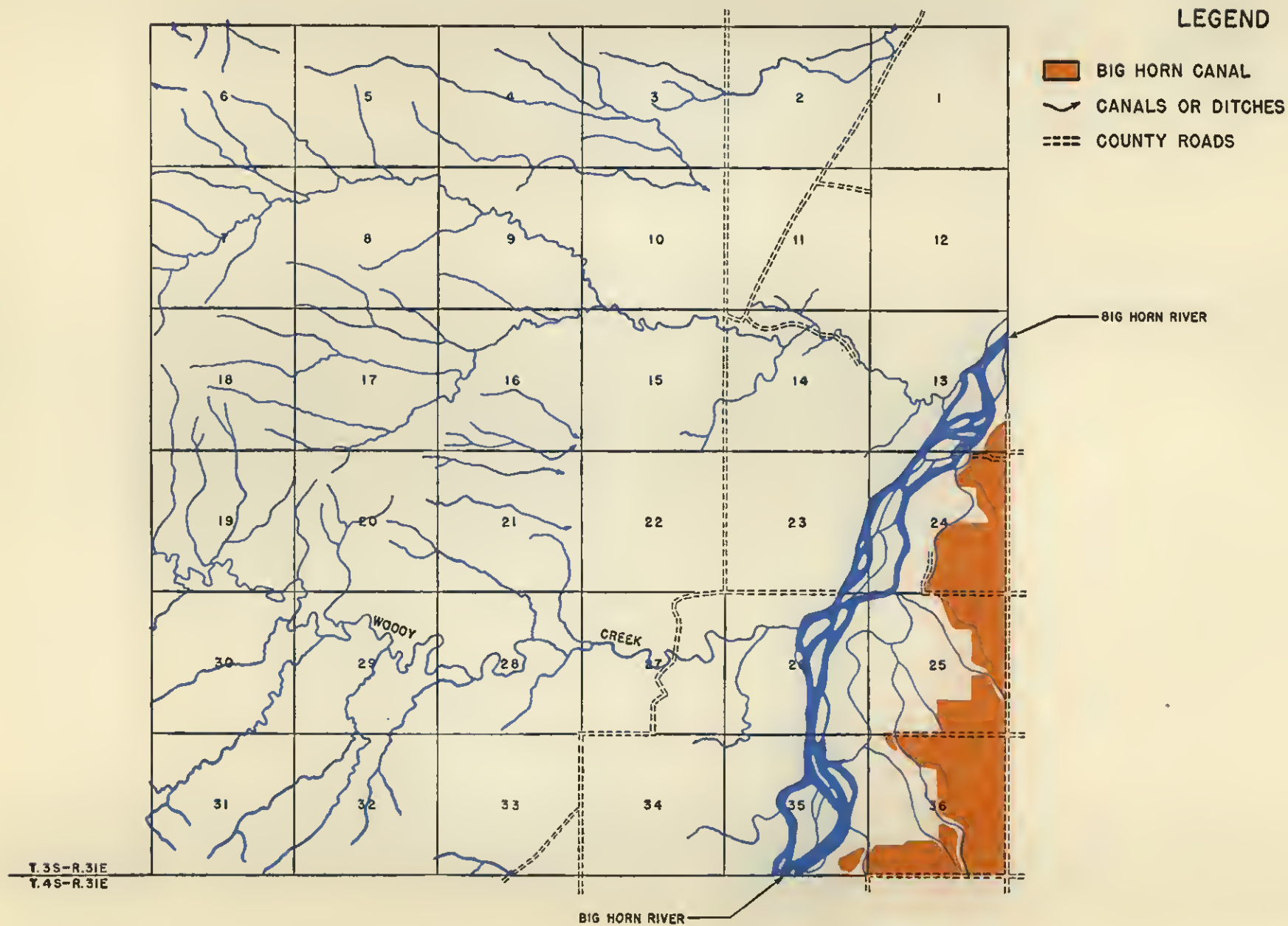
LITTLE BIG HORN RIVER

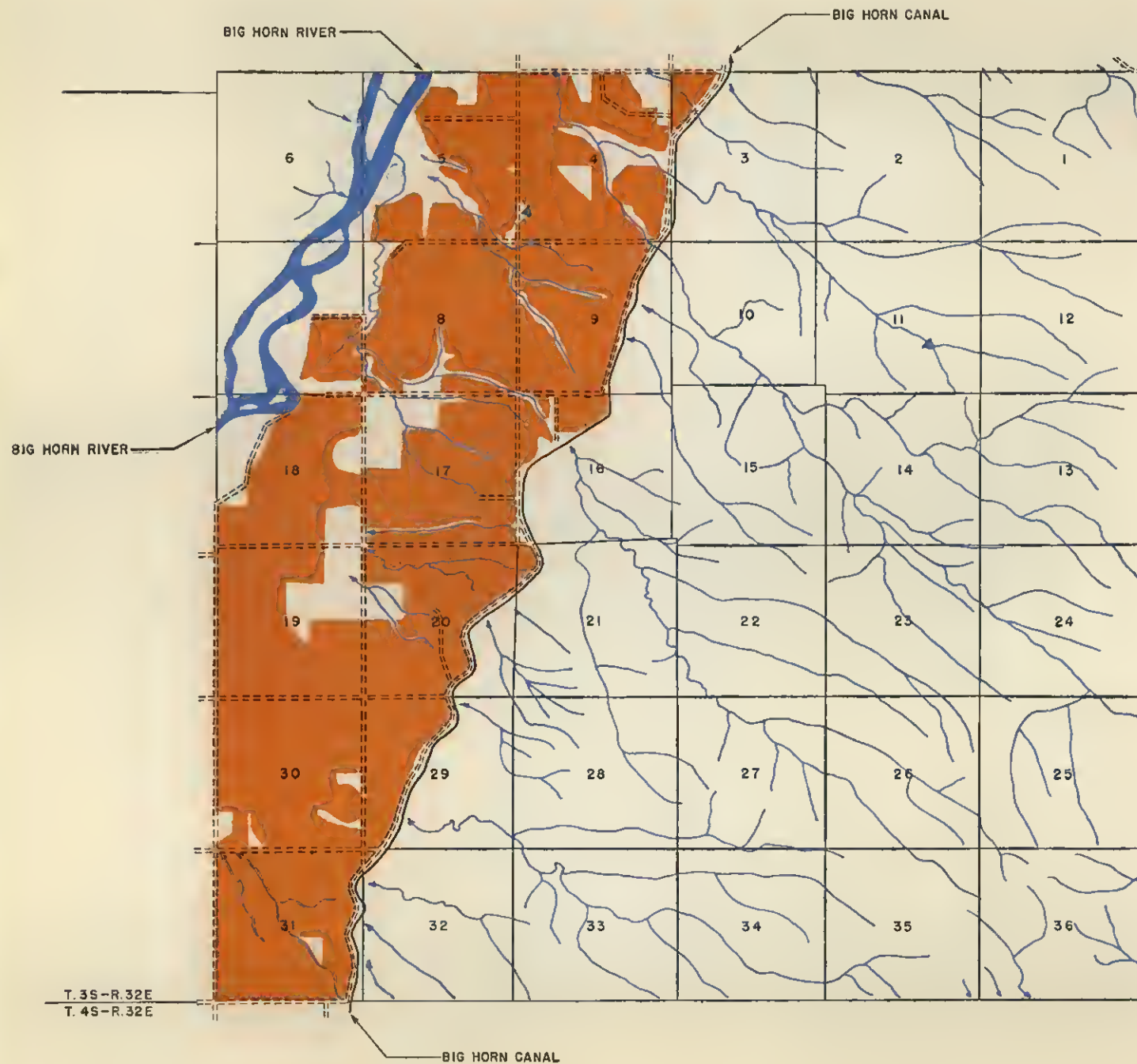
ASH CREEK

LEGEND

- ↘ CANALS OR DITCHES
- === COUNTY ROADS
- ↗ RESERVOIRS

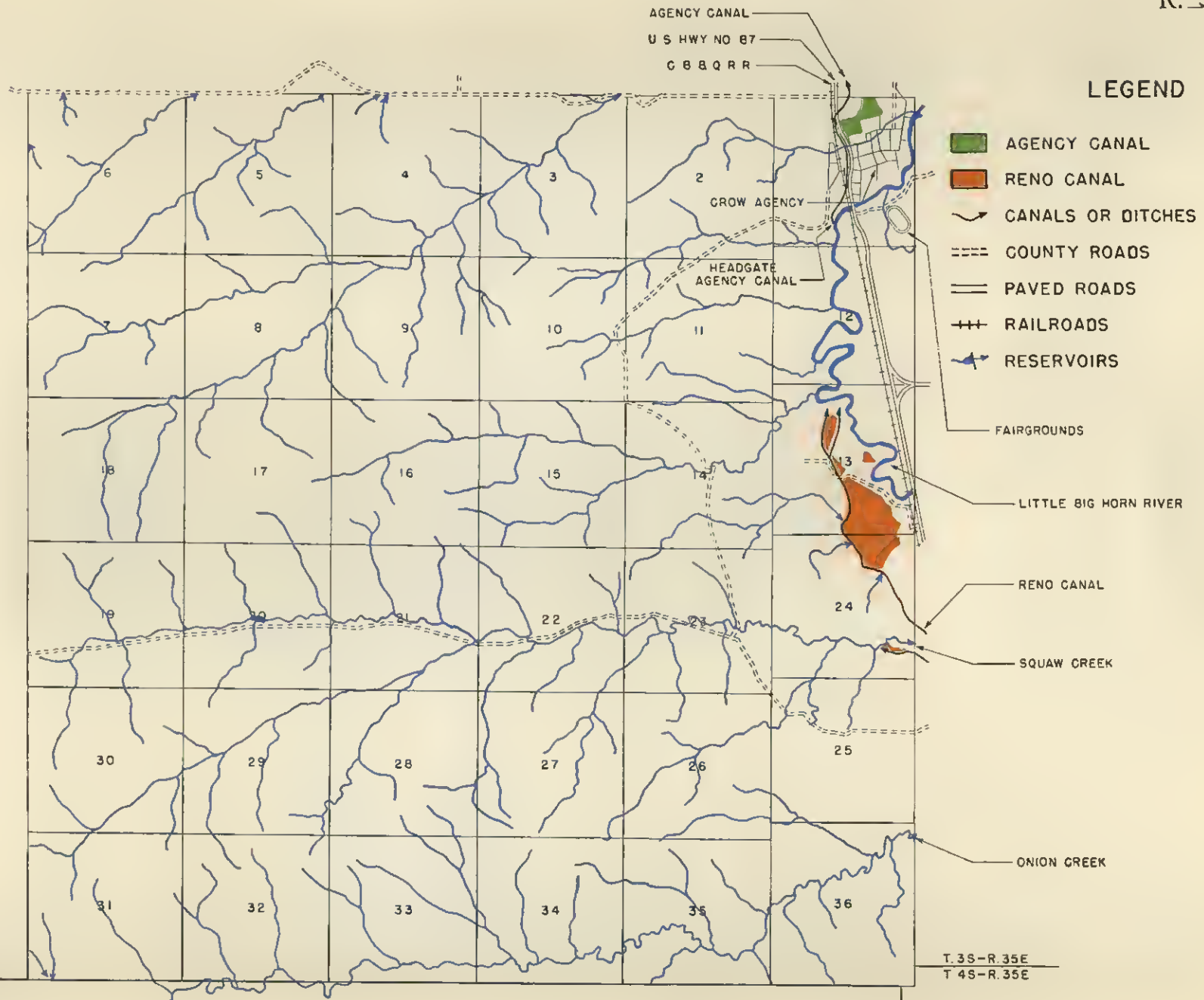


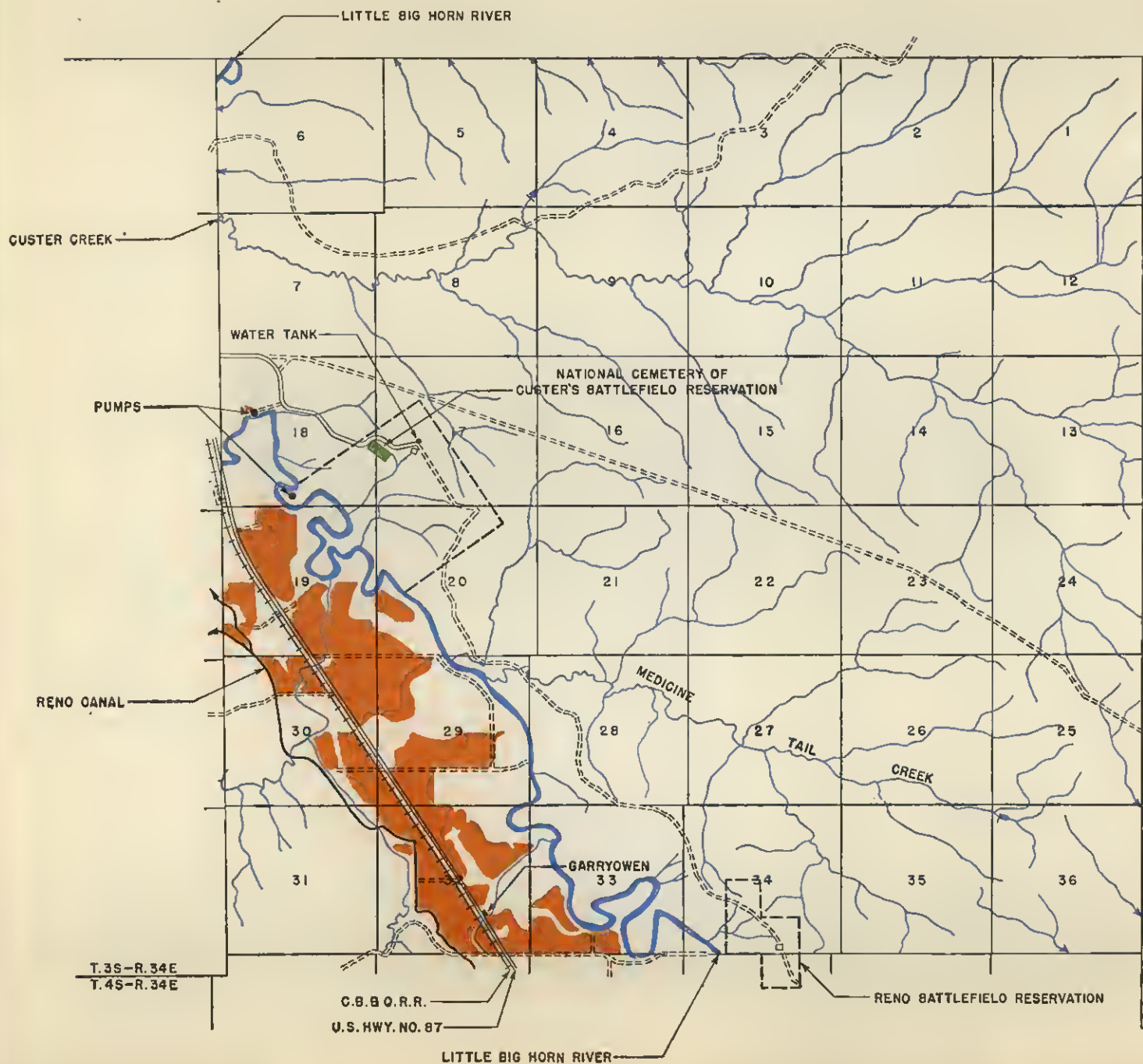




LEGEND

- BIG HORN CANAL
- CANALS OR DITCHES
- COUNTY ROADS
- RESERVOIRS





LEGEND





- RENO CANAL
- PRIVATE DITCHES
- CANALS OR DITCHES
- COUNTY ROADS
- PAVED ROADS
- +++ RAILROADS
- ← RESERVOIRS

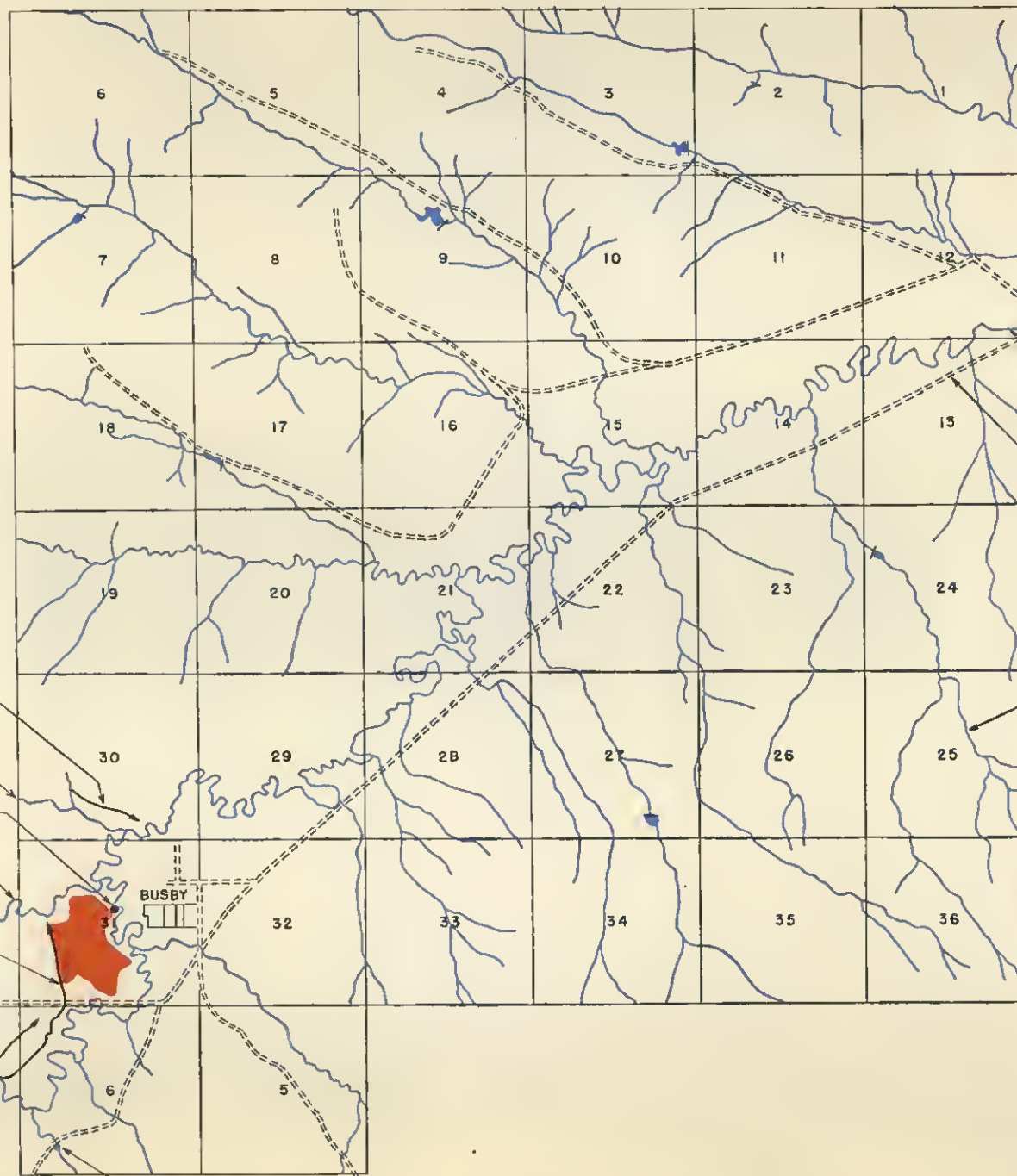
Township No. 3 SOUTH Range No. 39 EAST County BIG HORN

T. 3 SOUTH

R. 39 EAST

LEGEND

-  GOVERNMENT DITCH
-  CANALS OR DITCHES
-  COUNTY ROAD
-  RESERVOIRS



ROSEBUO RIVER

STATE ROAD

TWO MOON CREEK

OLD DITCH
(ABANDONED)

DEAFY CREEK

PUMP

ASH CREEK

GOVERNMENT DITCH

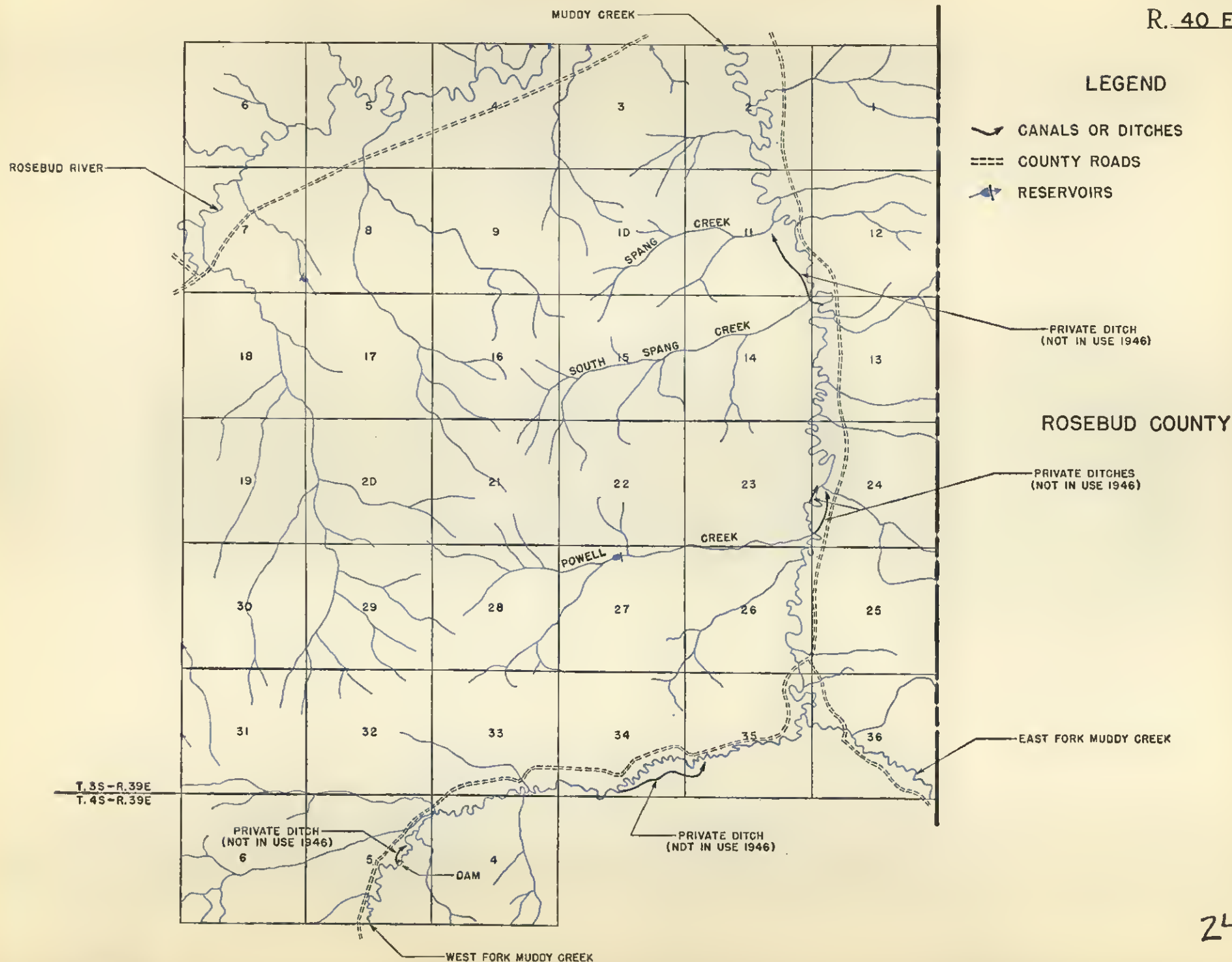
T. 3S-R. 38E

T. 4S-R. 38E

OLD DITCH
(ABANDONED)

OAM OUT
ROSEBUO RIVER

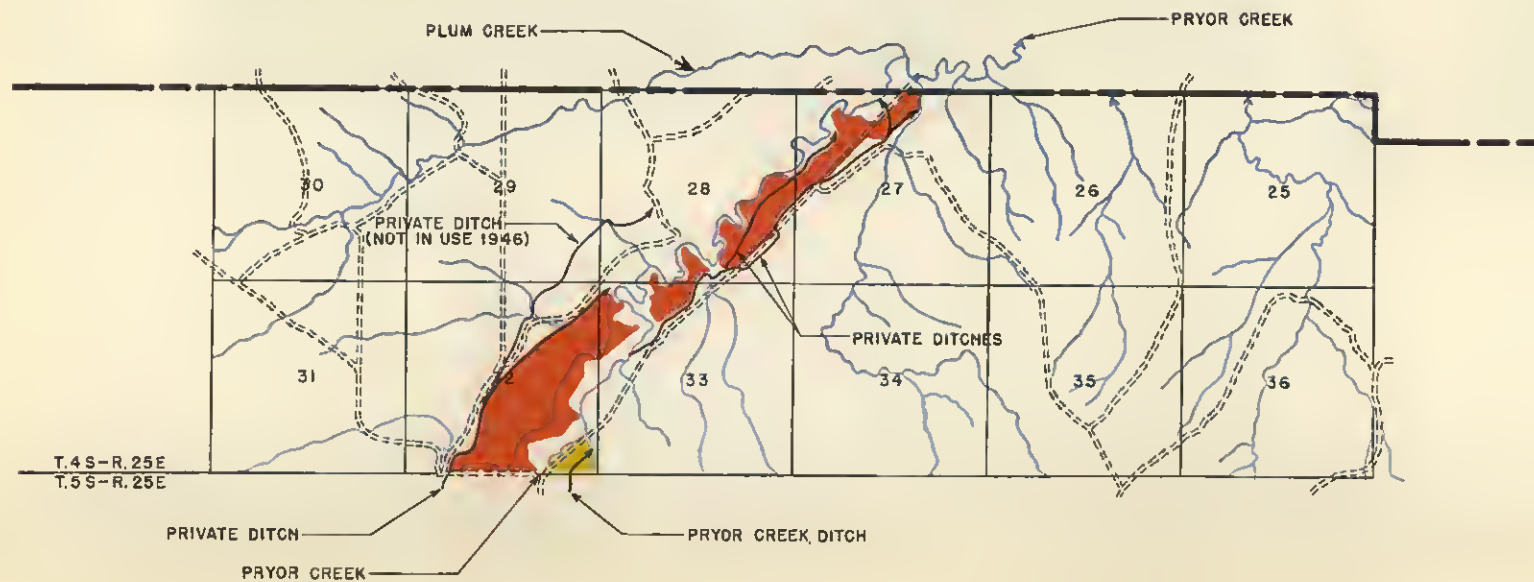
BUSBY



LEGEND

- PRYOR CREEK DITCH
- PRIVATE DITCHES
- CANALS OR DITCHES
- COUNTY ROADS

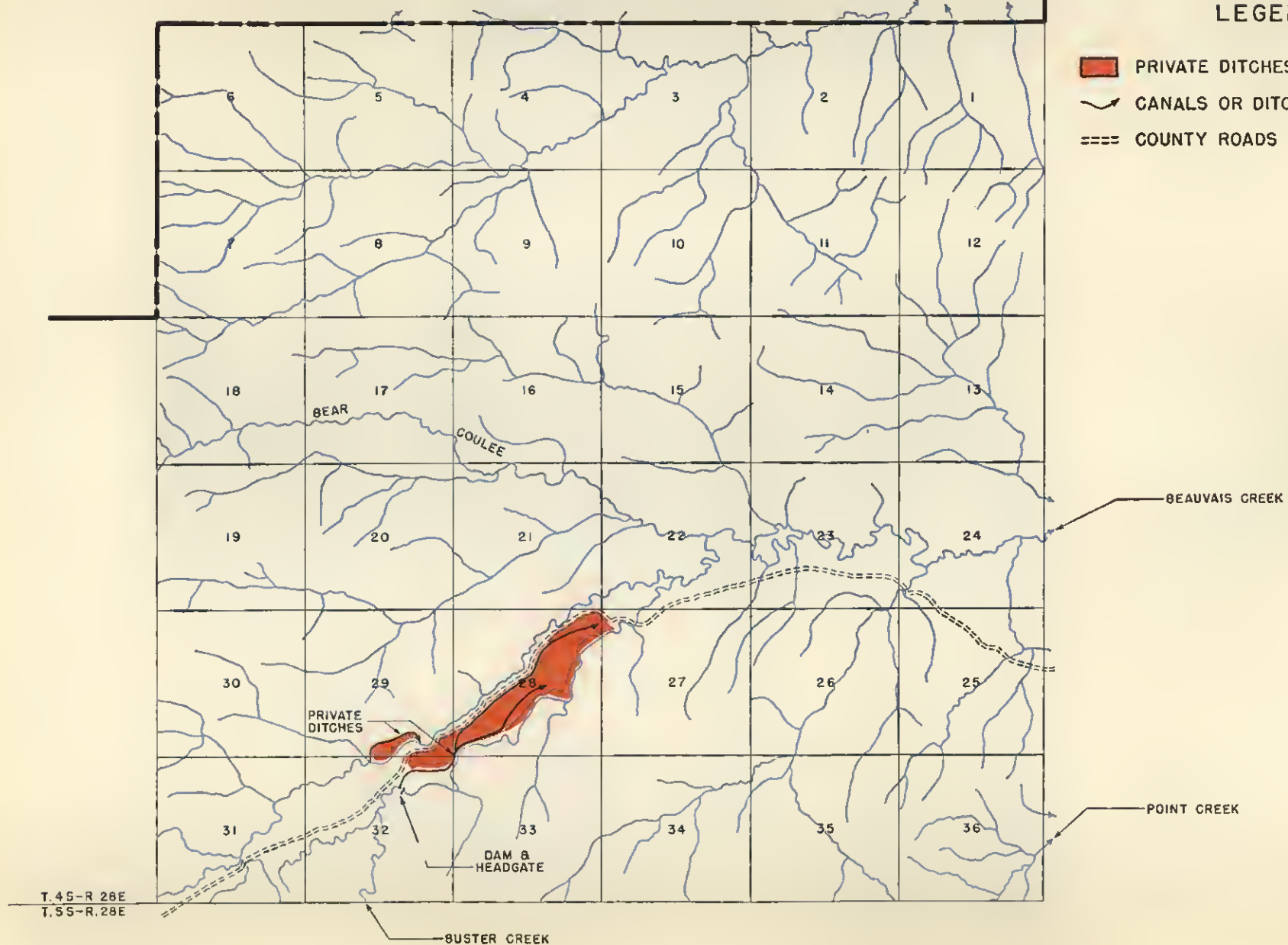
YELLOWSTONE COUNTY



YELLOWSTONE COUNTY

LEGEND

- PRIVATE DITCHES
- CANALS OR DITCHES
- COUNTY ROADS

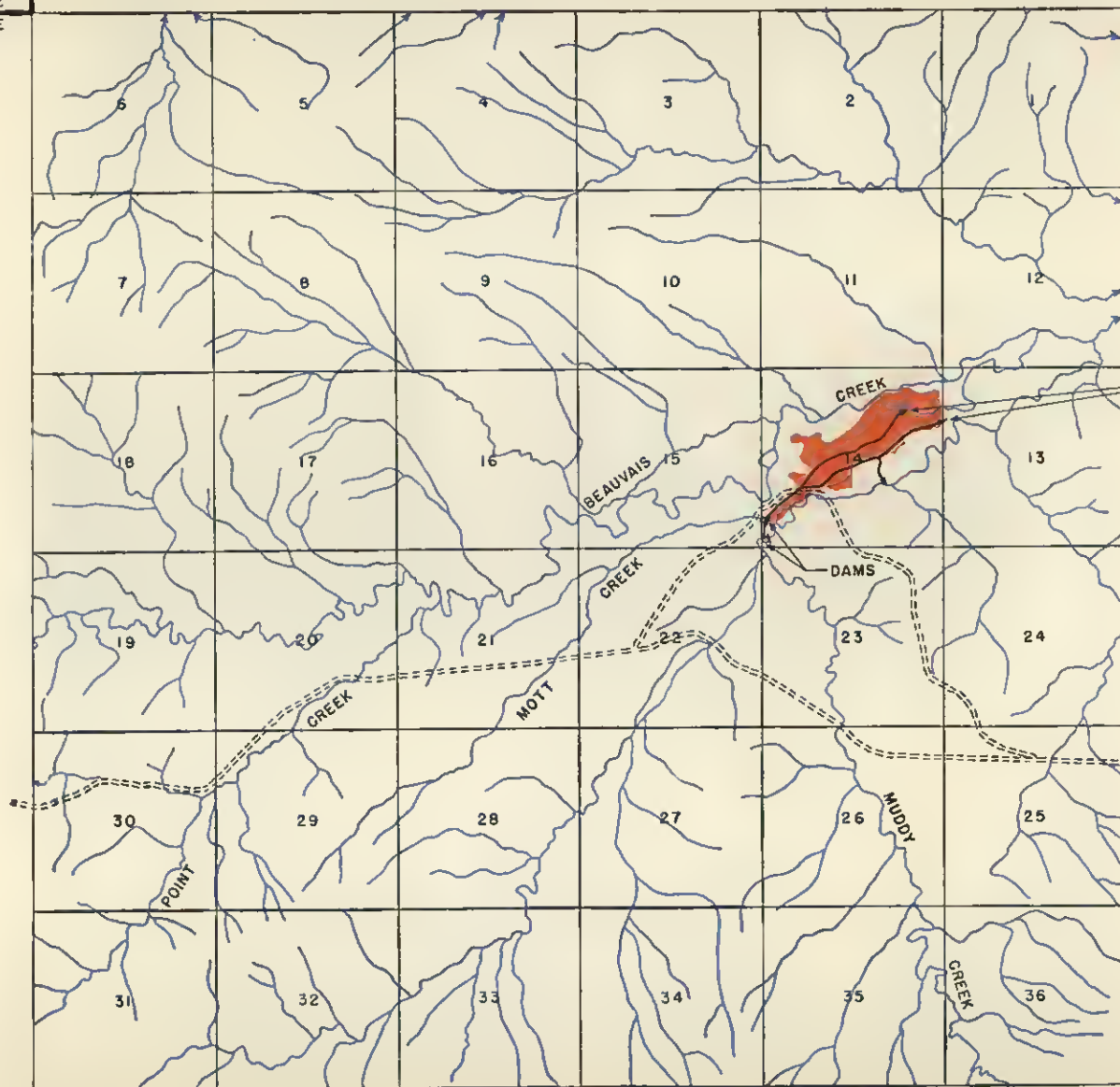


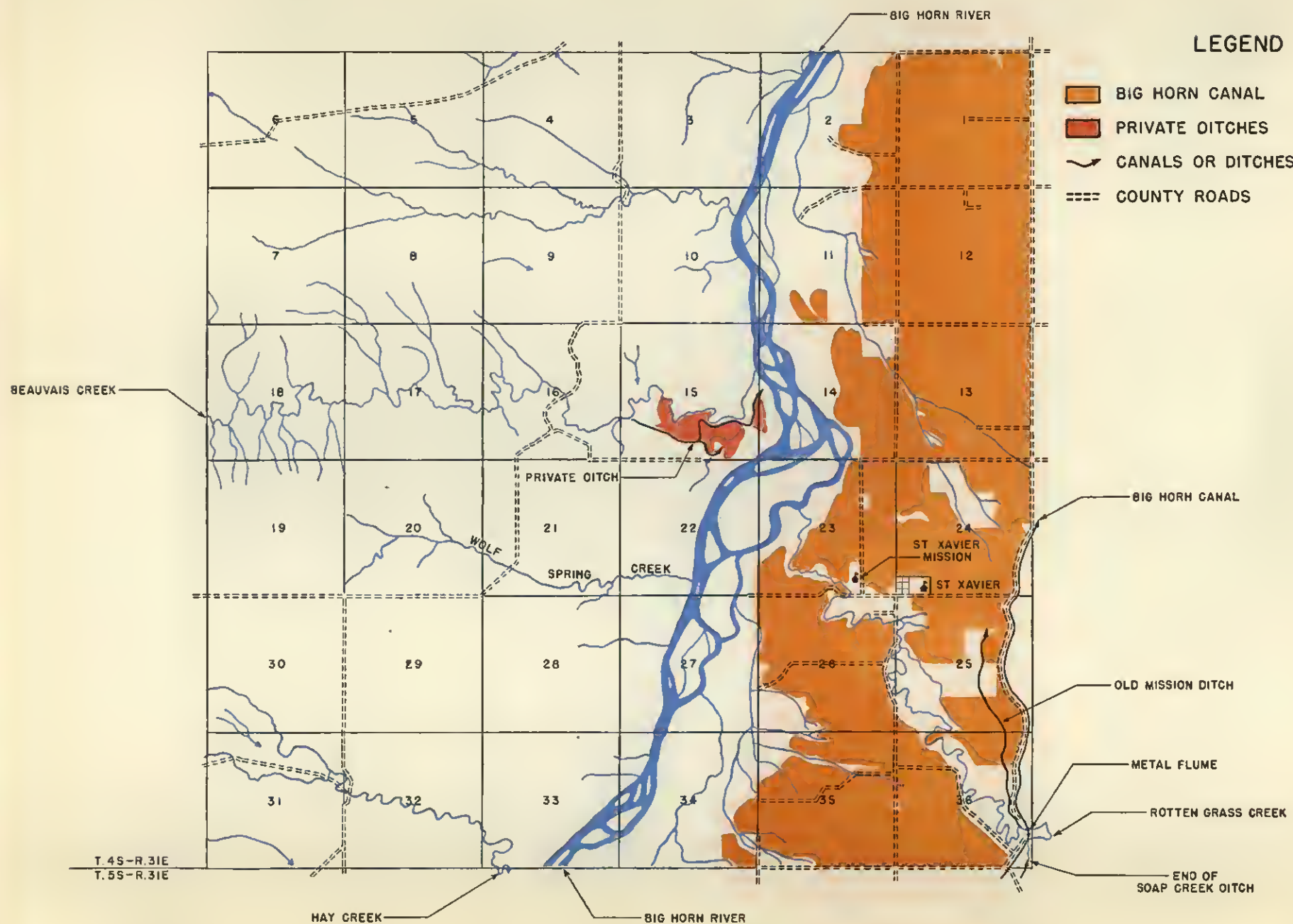
YELLOWSTONE
COUNTY

T. 3S-R. 29E
T. 4S-R. 29E




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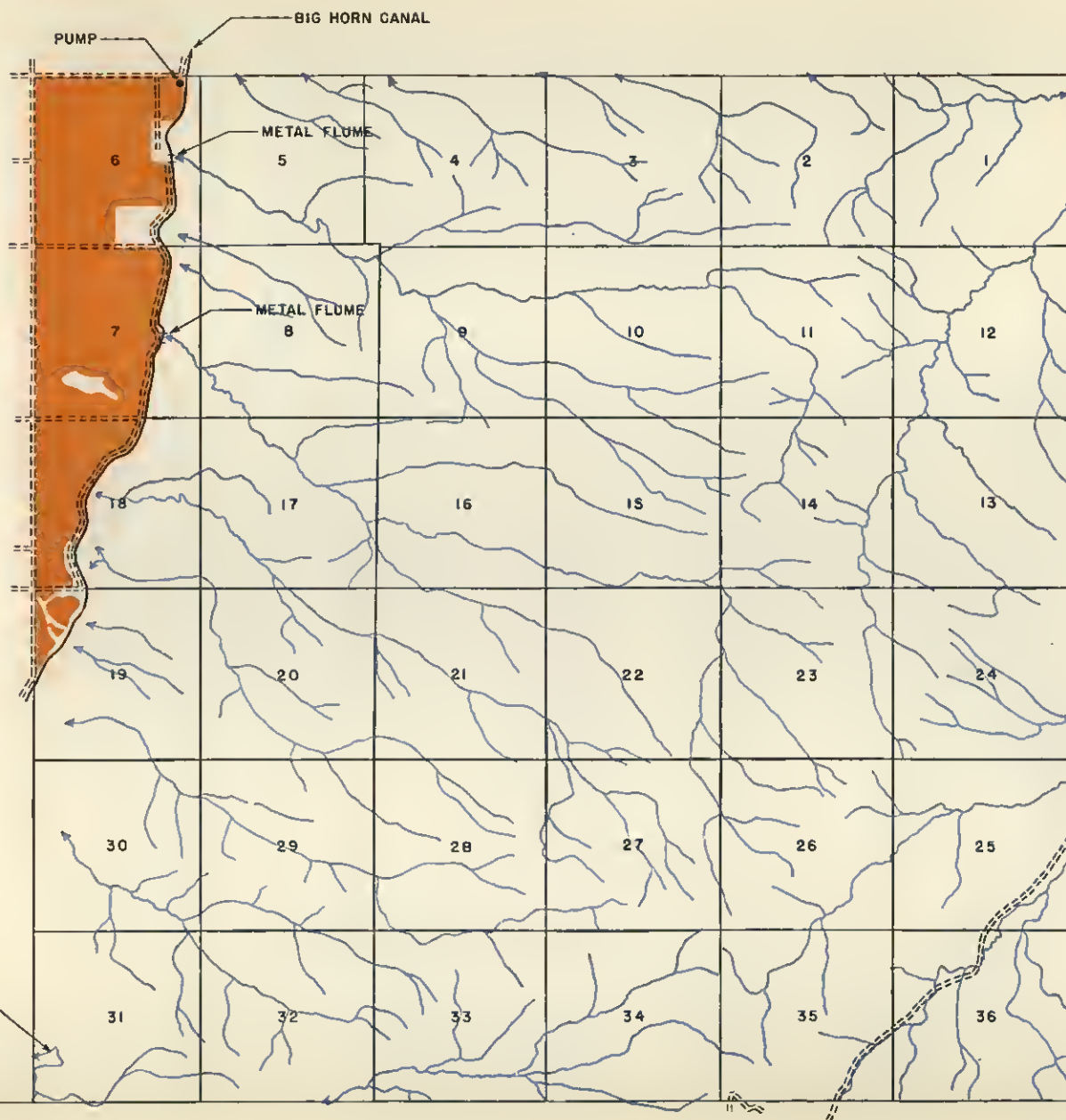
- PRIVATE DITCHES
- CANALS OR DITCHES
- COUNTY ROADS





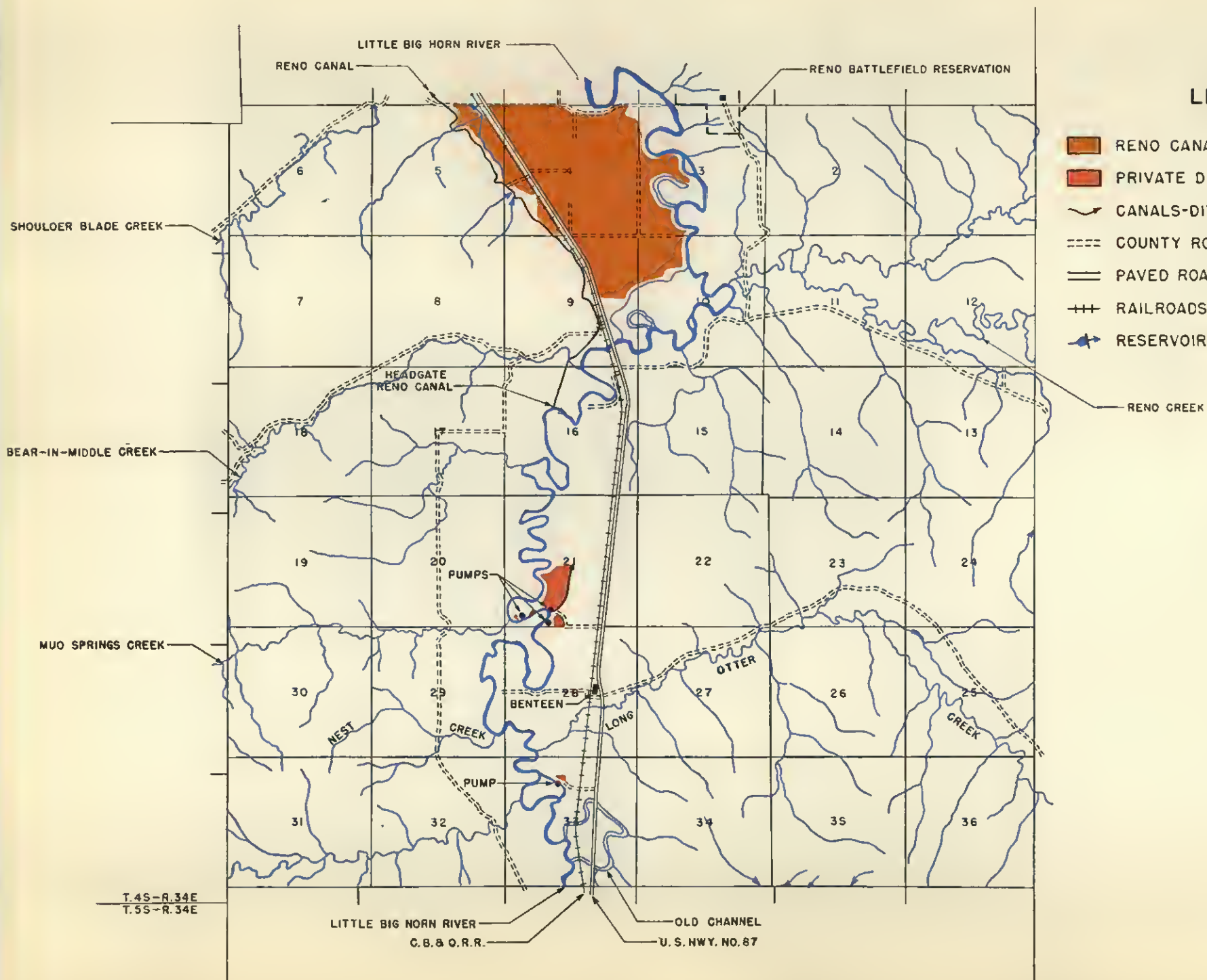
LEGEND

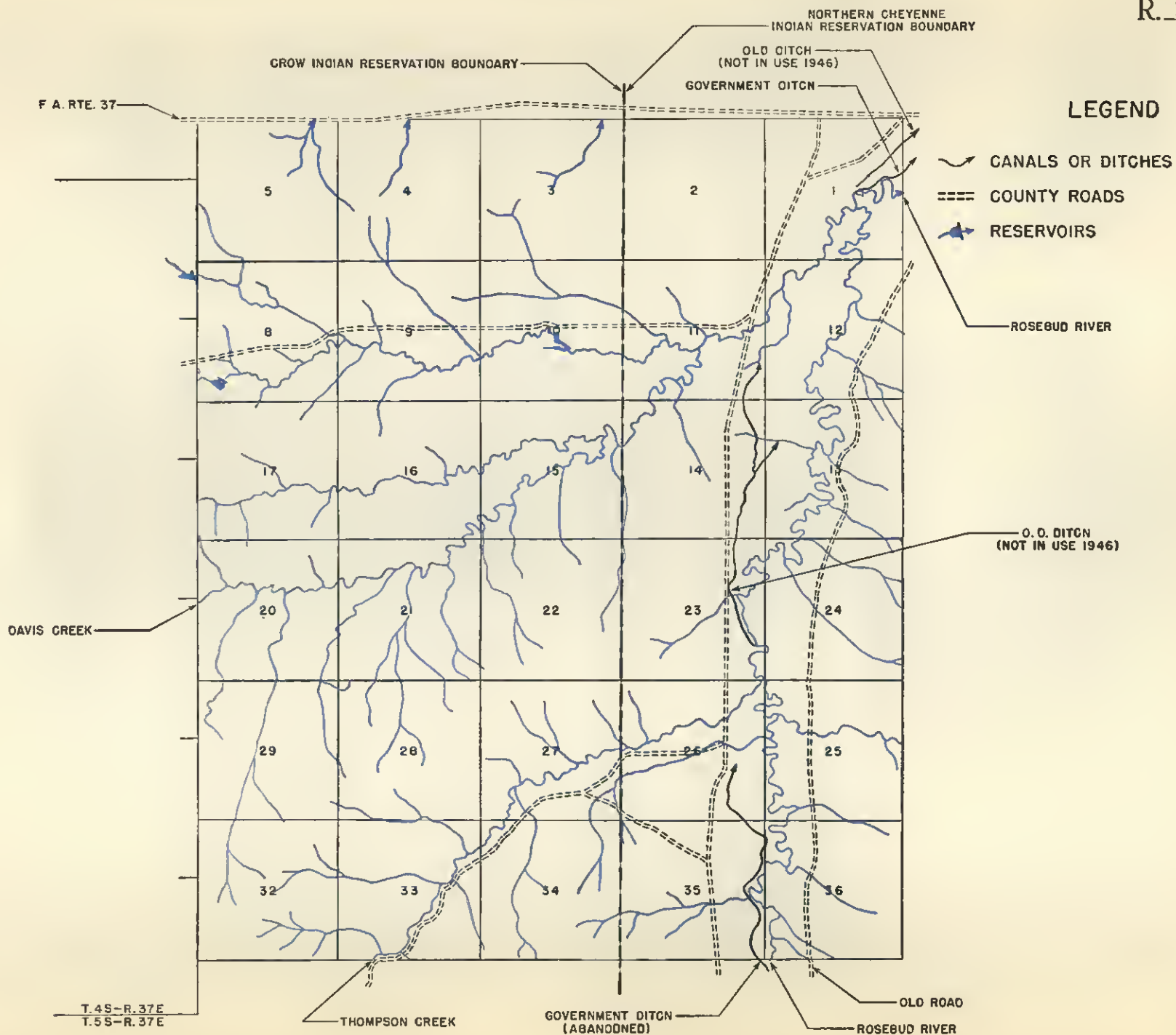
-  BIG HORN CANAL
-  CANALS OR DITCHES
-  COUNTY ROADS








LEGEND

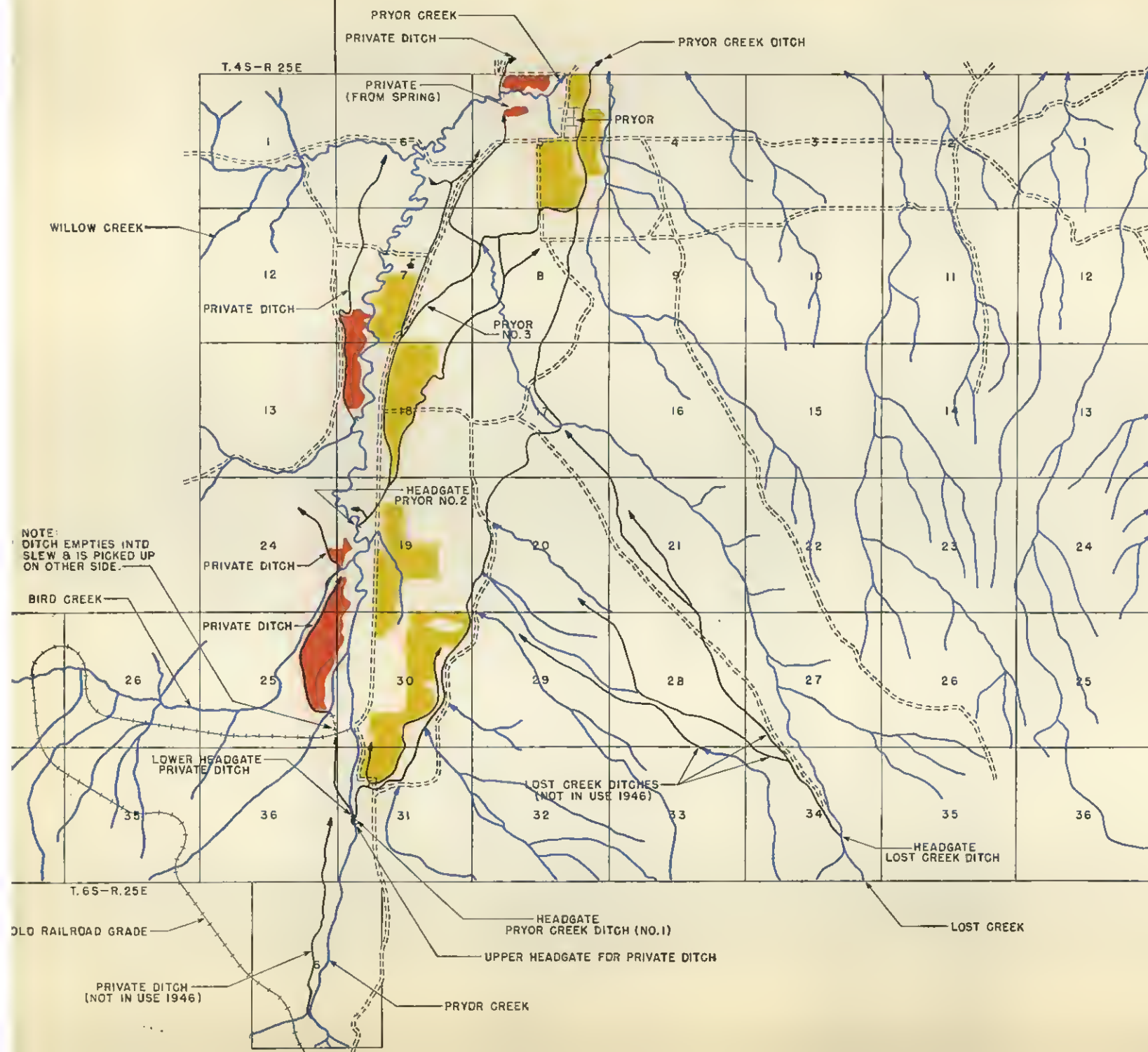
-  RENO CANAL
-  PRIVATE DITCHES
-  CANALS-DITCHES
-  COUNTY ROADS
-  PAVED ROADS
-  RAILROADS
-  RESERVOIRS

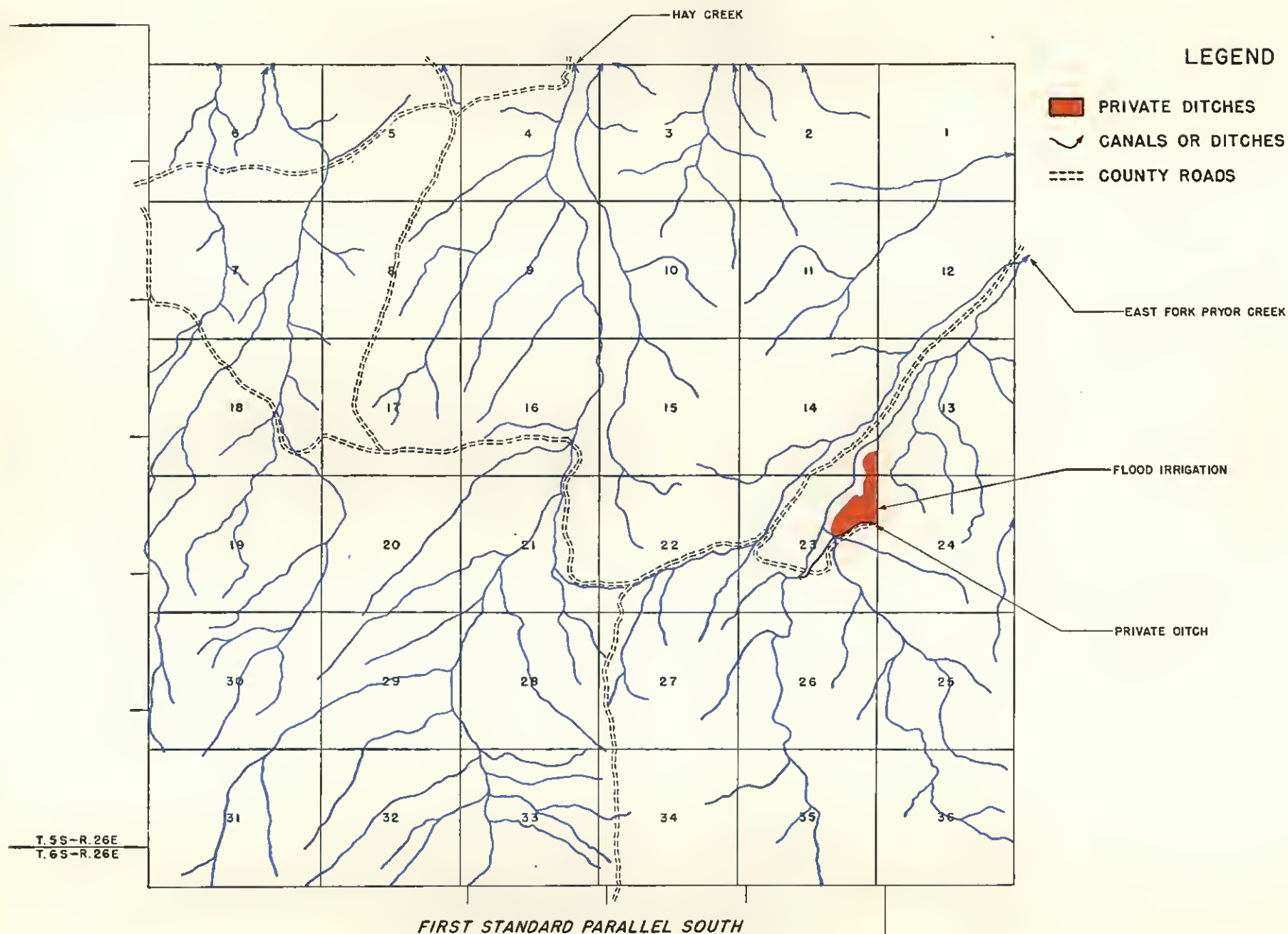




LEGEND

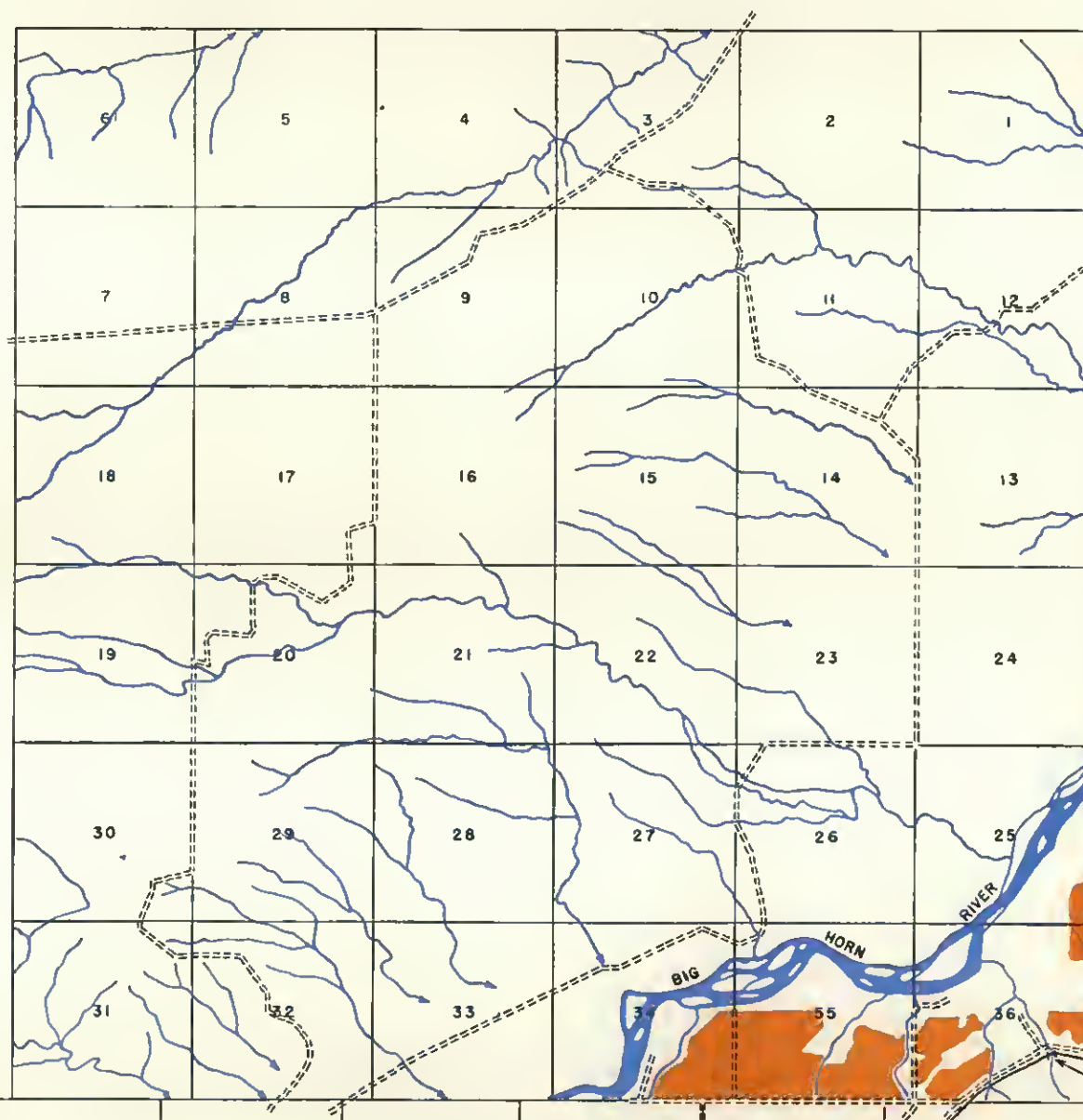
-  PRYOR CREEK DITCH
-  PRIVATE DITCHES
-  CANALS OR DITCHES
-  COUNTY ROADS
-  RAILROADS





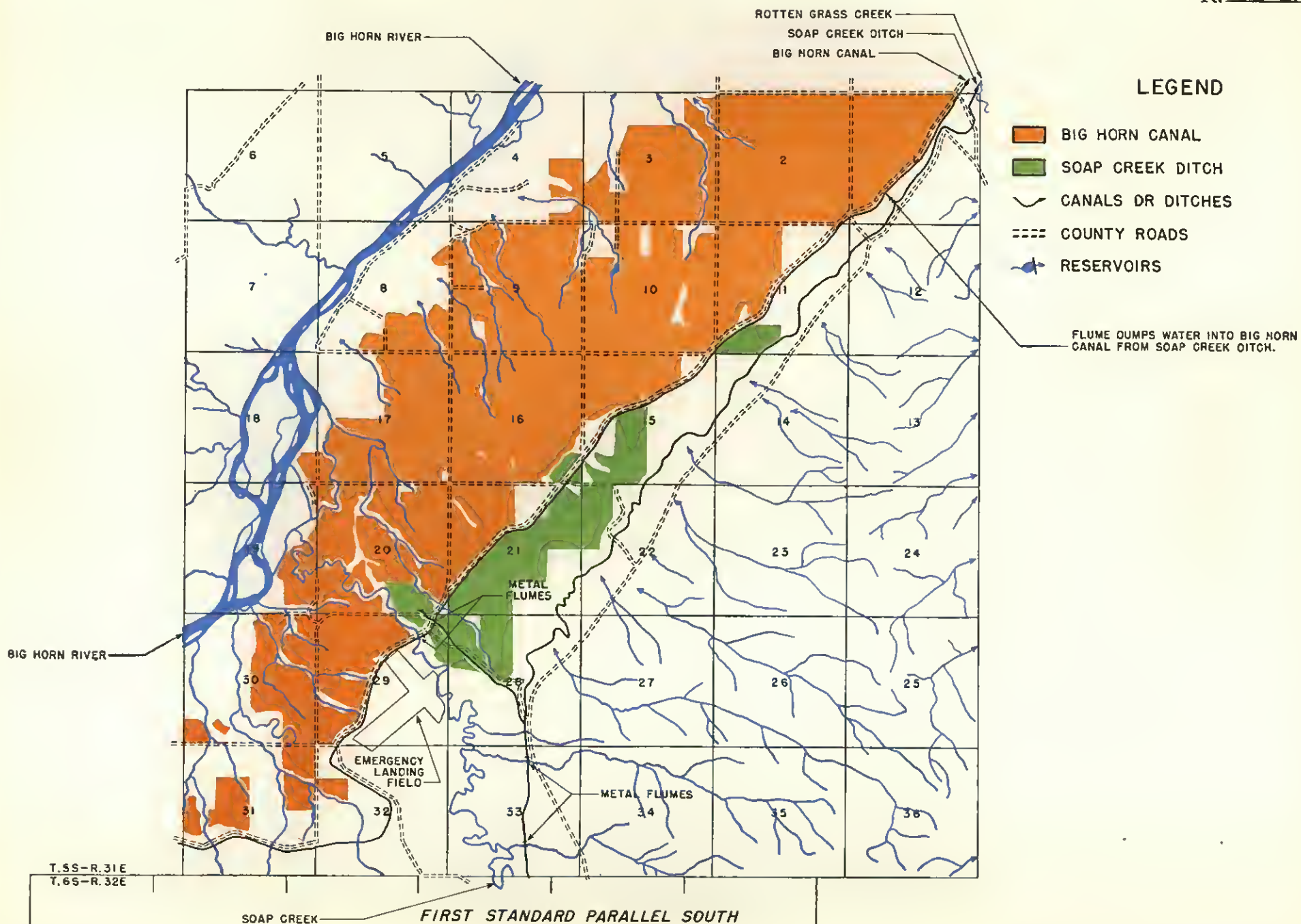
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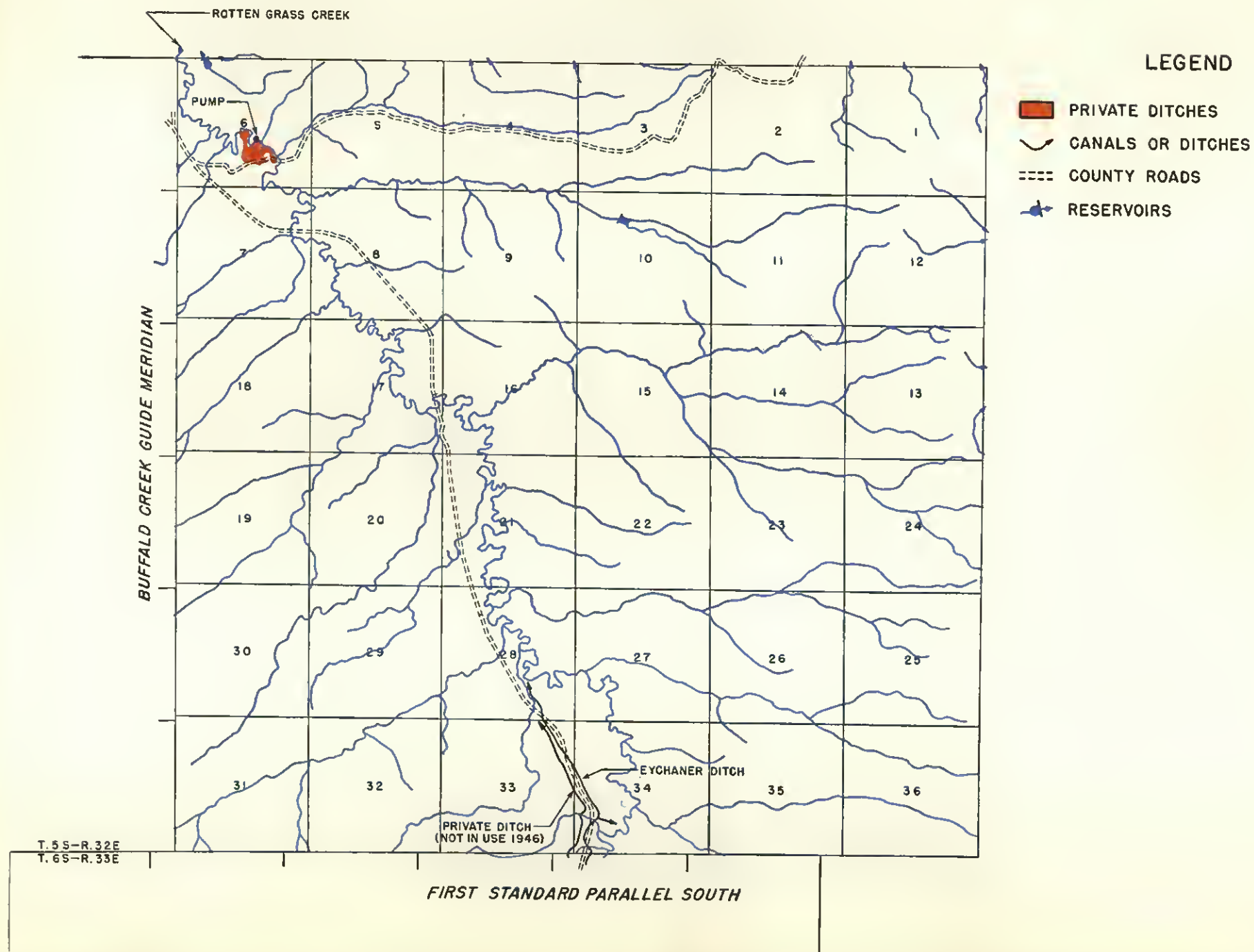
- BIG HORN CANAL
- CANALS OR DITCHES
- COUNTY ROADS

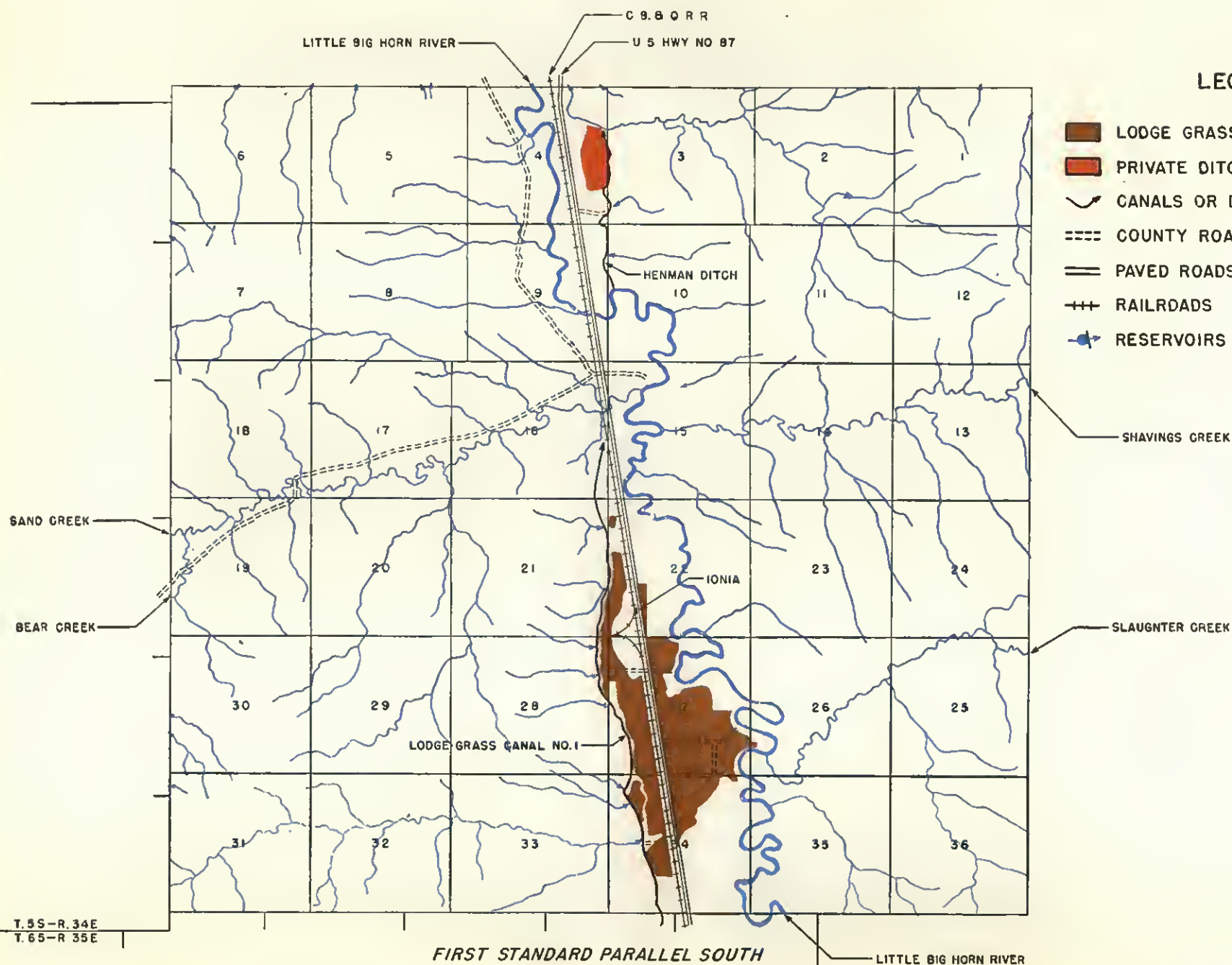


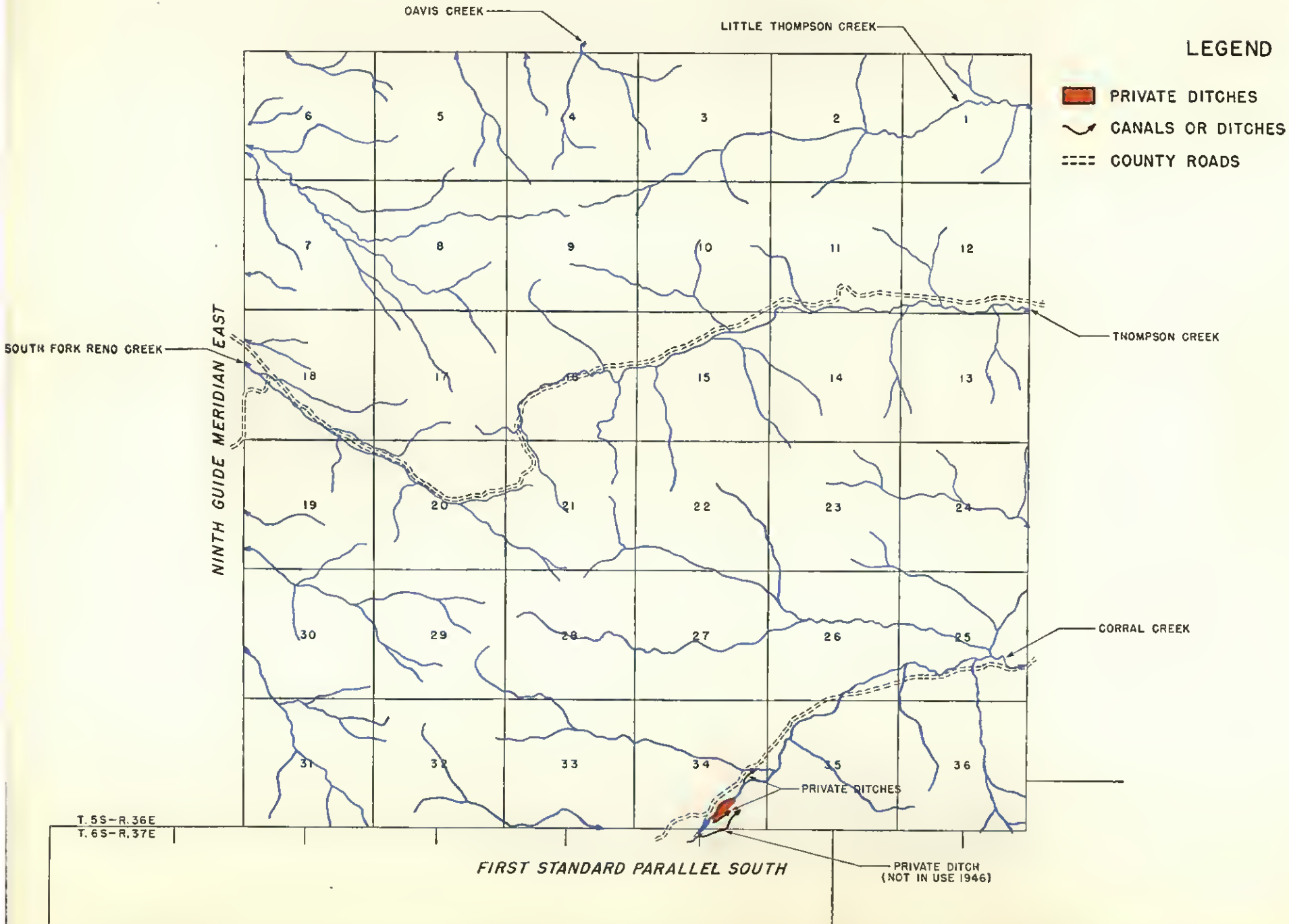
BIG HORN CANAL

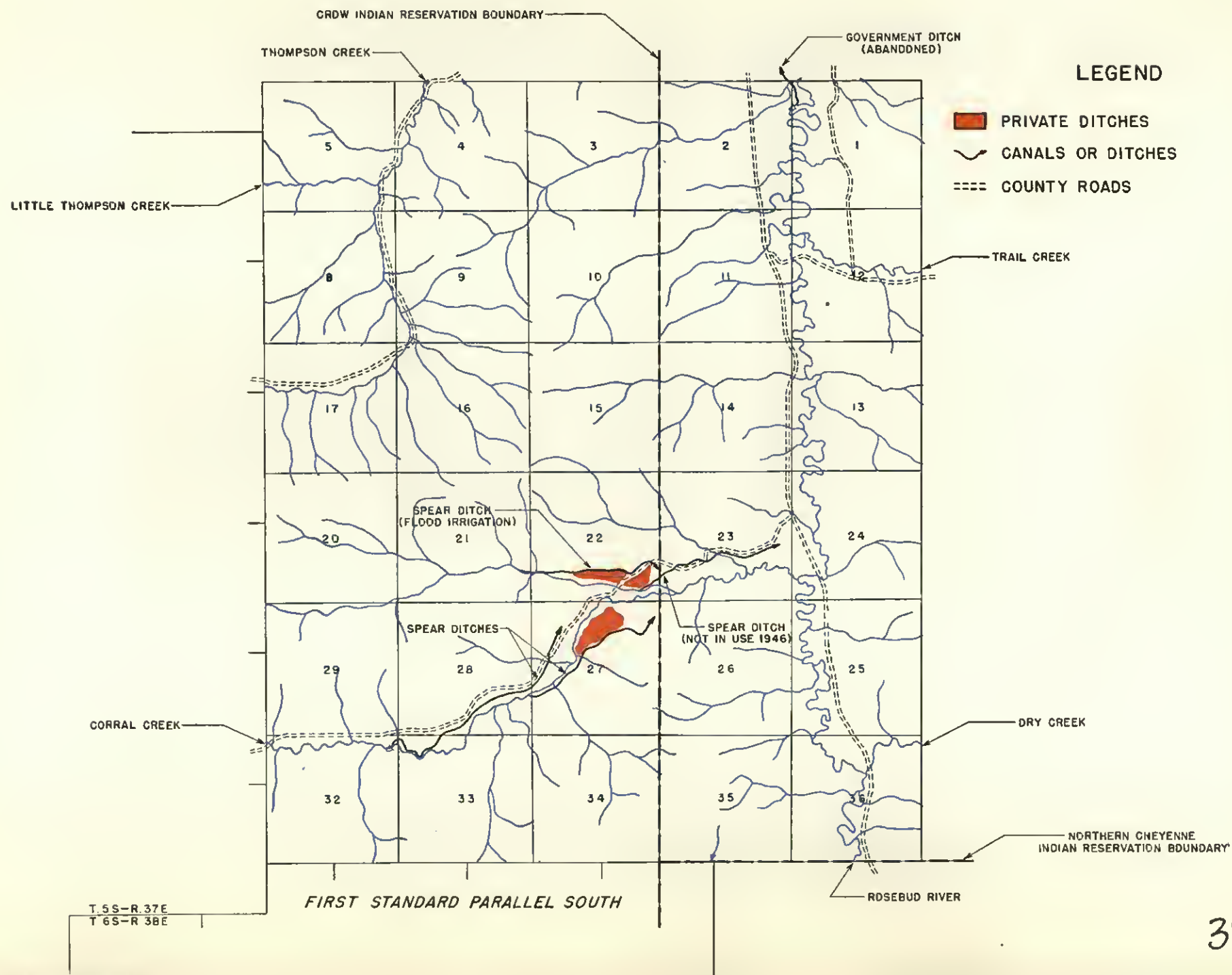
METAL FLUME















FIRST STANDARD PARALLEL SOUTH

BIG HORN RIVER

BIG HORN CANAL

LEGEND

-  BIG HORN CANAL
-  PRIVATE DITCHES
-  CANALS OR DITCHES
-  COUNTY ROADS

GRAPEVINE CREEK

ARTESION WELL

SPRING

BIG HORN CANYON

PROPOSED YELLOWTAIL DAM
RESERVOIR CAPACITY—1,116,000 ACRE FT
RESERVOIR AREA—12,685 ACRES

PRIVATE DITCHES

DAM

DAM

PRIVATE DITCH

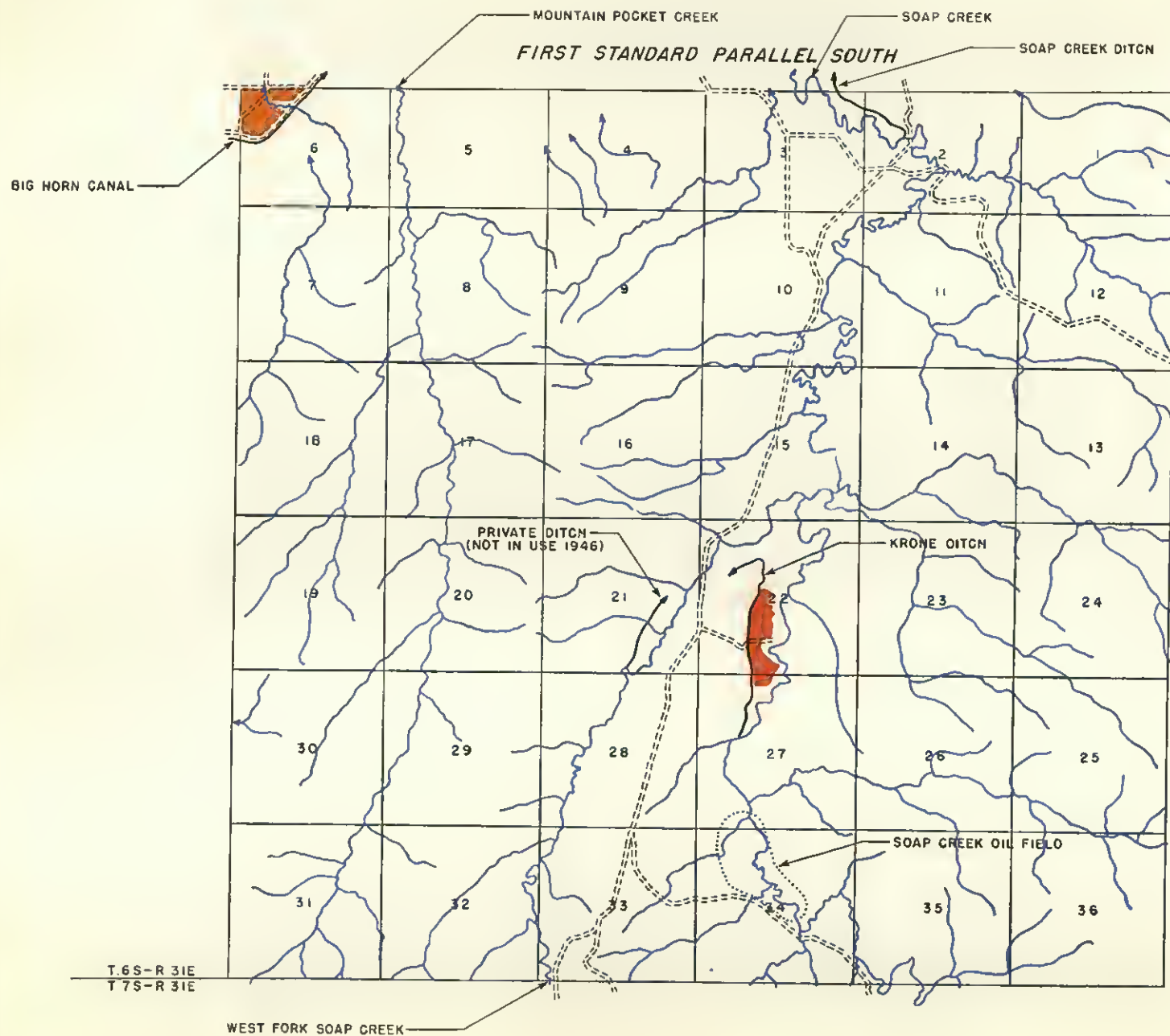
HEADGATE
BIG HORN CANALOLD FORT
C F SMITH

PRIVATE DITCH





WAR MAN CREEK

T. 6S—R. 30E

LIMEKILN CREEK



LEGEND




-  BIG HORN CANAL
-  PRIVATE DITCHES
-  CANALS OR DITCHES
-  COUNTY ROADS

FIRST STANDARD PARALLEL SOUTH

EYCHANER DITCH
(NOT IN USE 1946)

ROTTEN GRASS CREEK

LEGEND

-  CANALS OR DITCHES
-  COUNTY ROADS
-  RESERVOIRS

DAM OUT

PRIVATE DITCH
(NOT IN USE 1946)

CREEK

COTTONWOOD

ROTTEN GRASS CREEK




SCHOOL

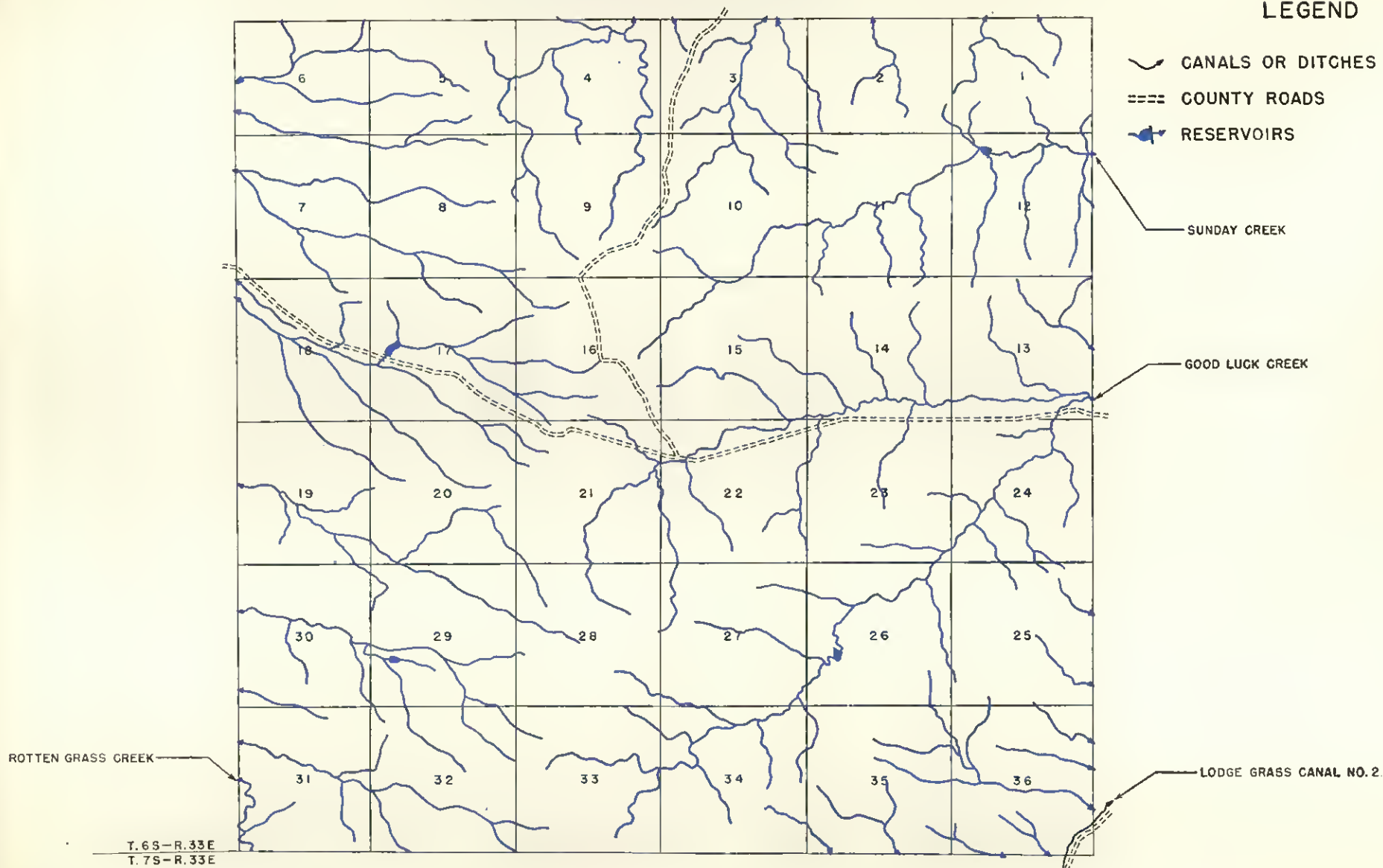
ASH COULEE

T. 6S-R. 32E
T. 7S-R. 32E

FIRST STANDARD PARALLEL SOUTH

LEGEND

-  CANALS OR DITCHES
-  COUNTY ROADS
-  RESERVOIRS

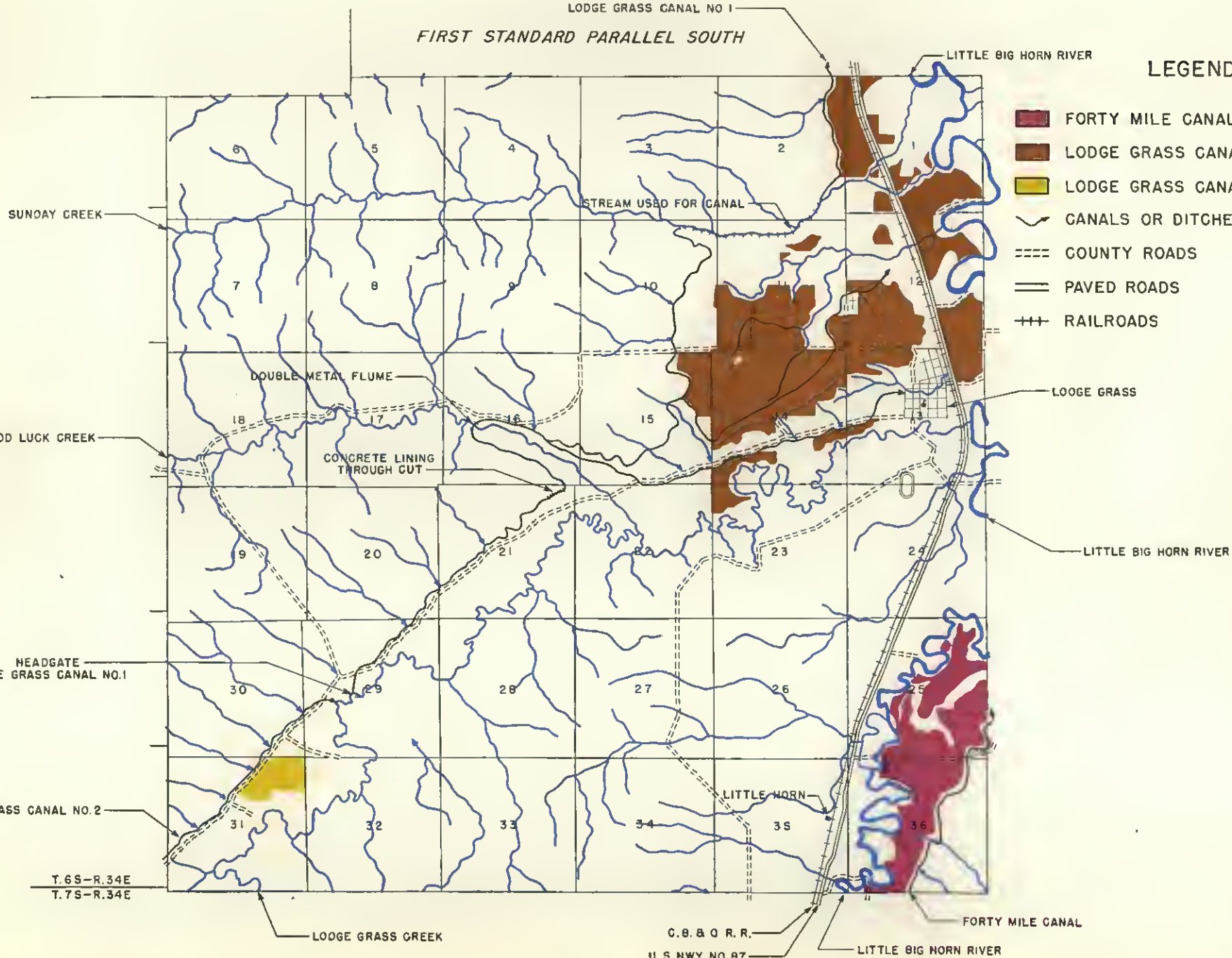


LODGE GRASS CANAL NO 1
FIRST STANDARD PARALLEL SOUTH

LITTLE BIG HORN RIVER

LEGEND

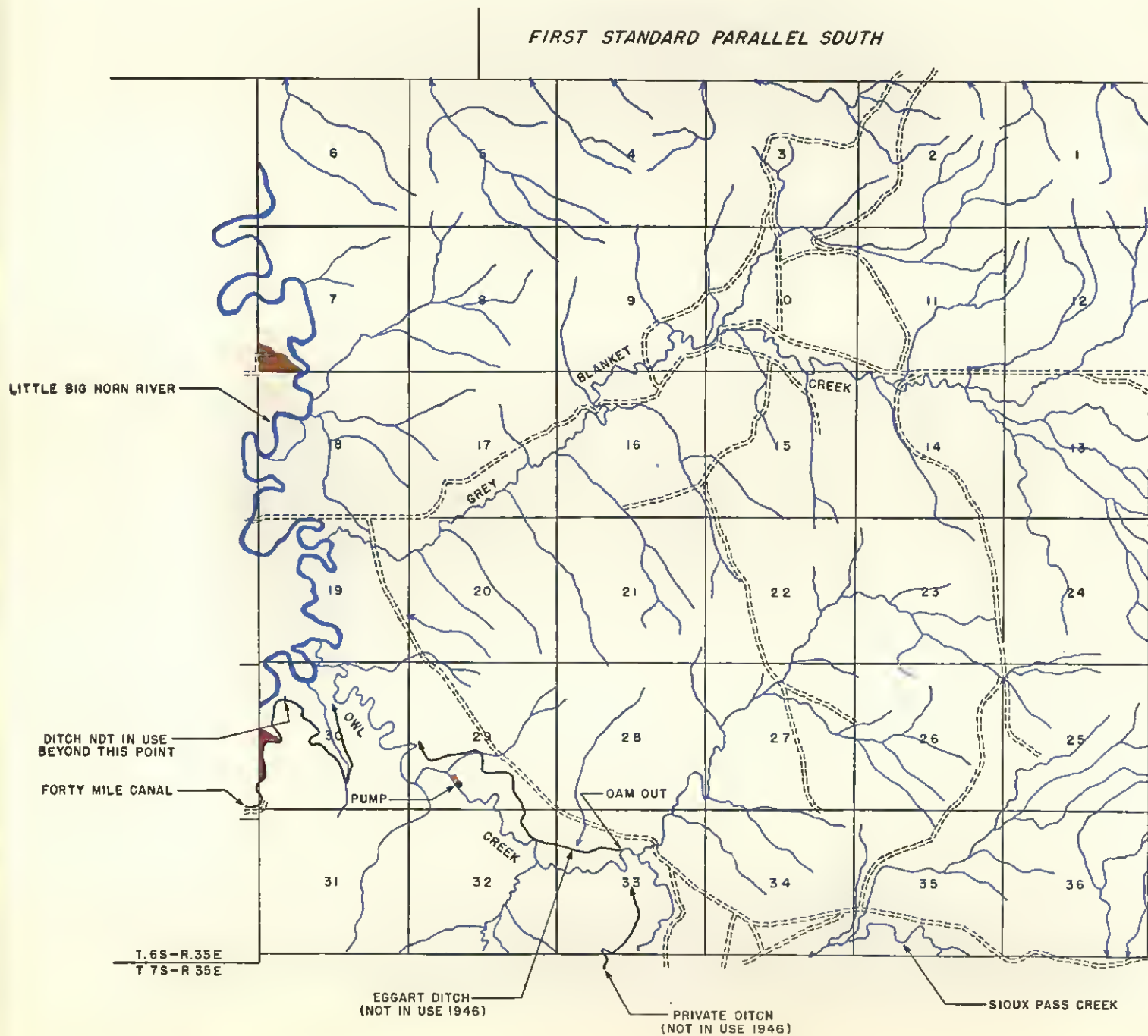
- FORTY MILE CANAL
- LODGE GRASS CANAL NO. 1.
- LODGE GRASS CANAL NO. 2.
- CANALS OR DITCHES
- COUNTY ROADS
- PAVED ROADS
- +++ RAILROADS

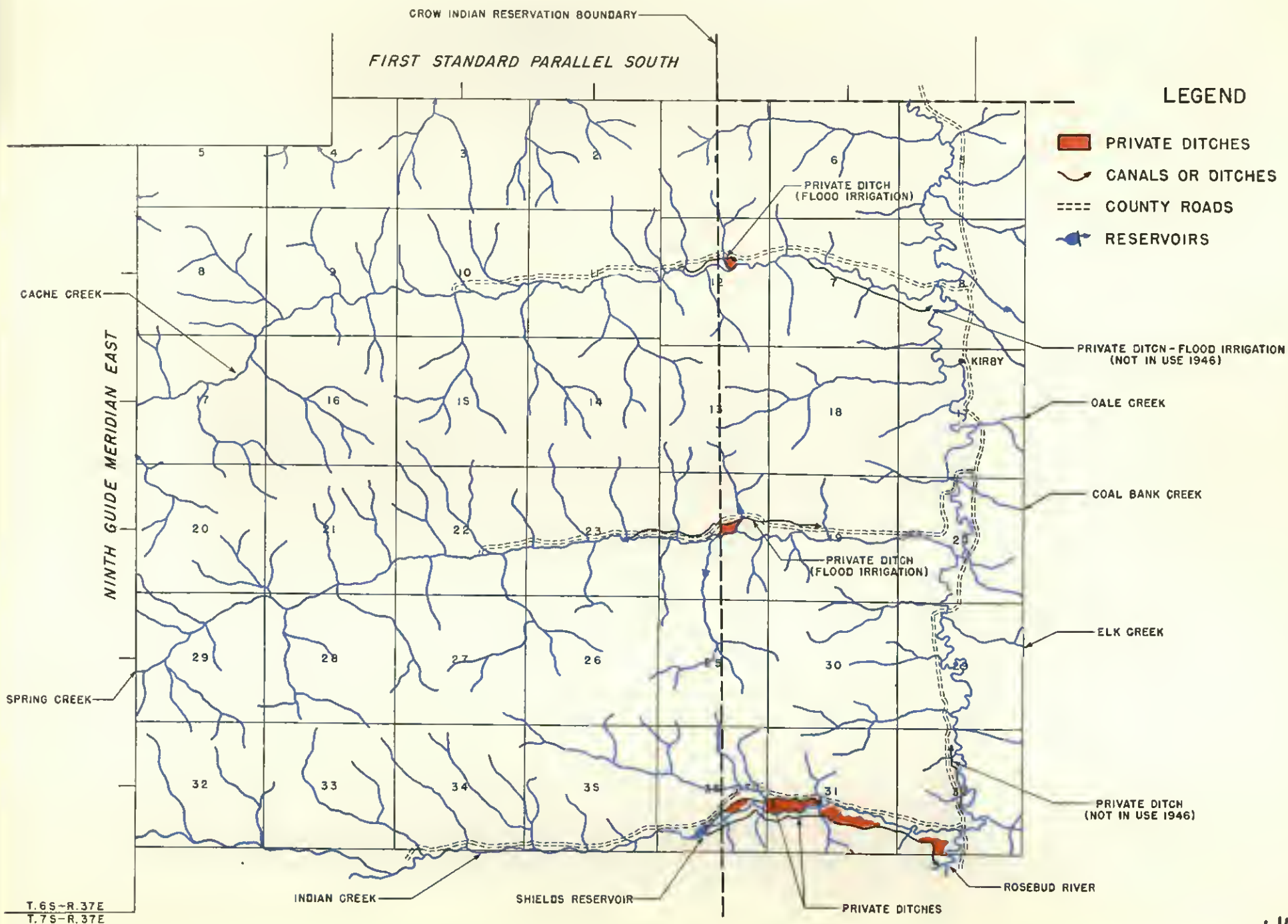


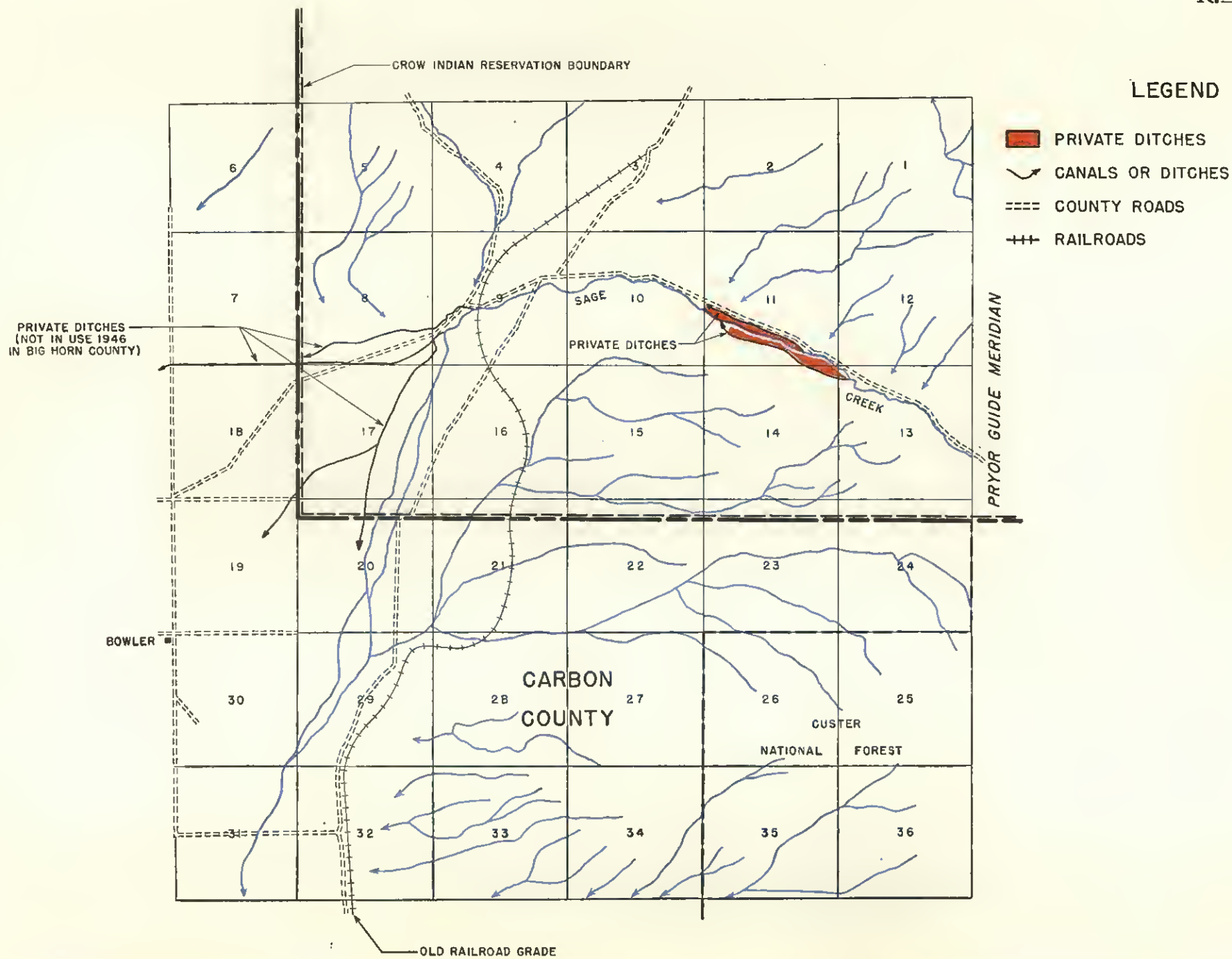
FIRST STANDARD PARALLEL SOUTH

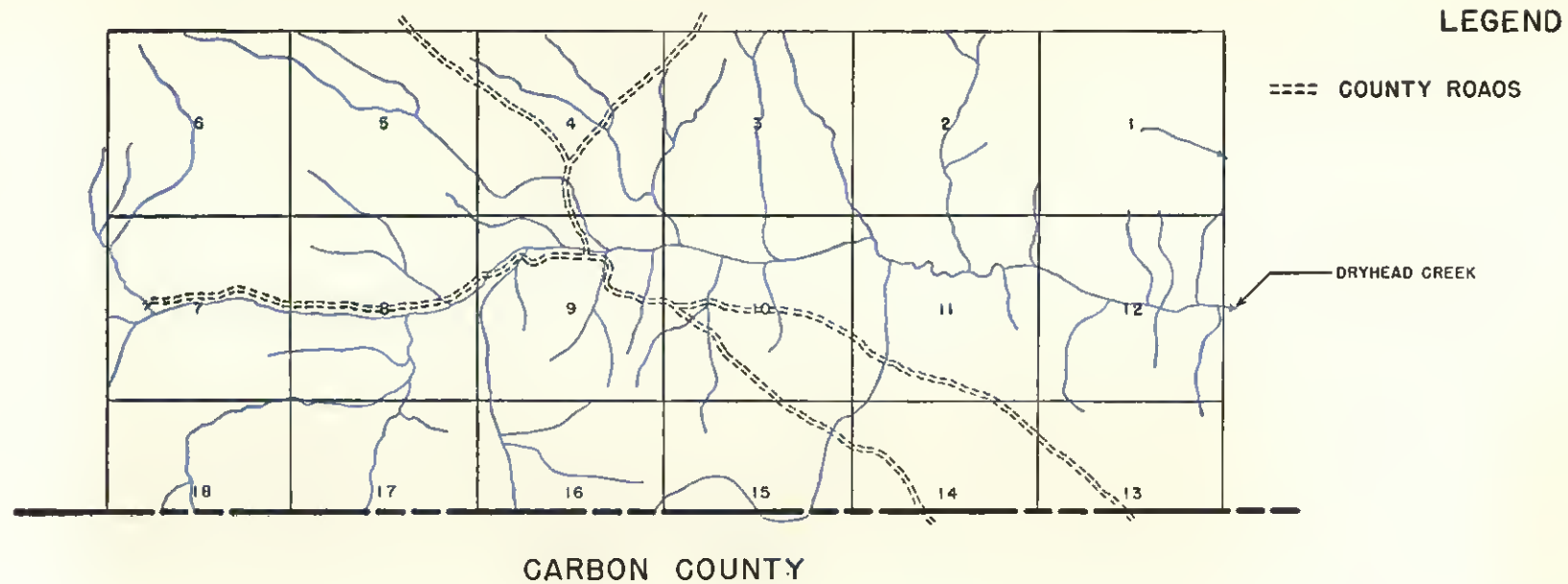
LEGEND

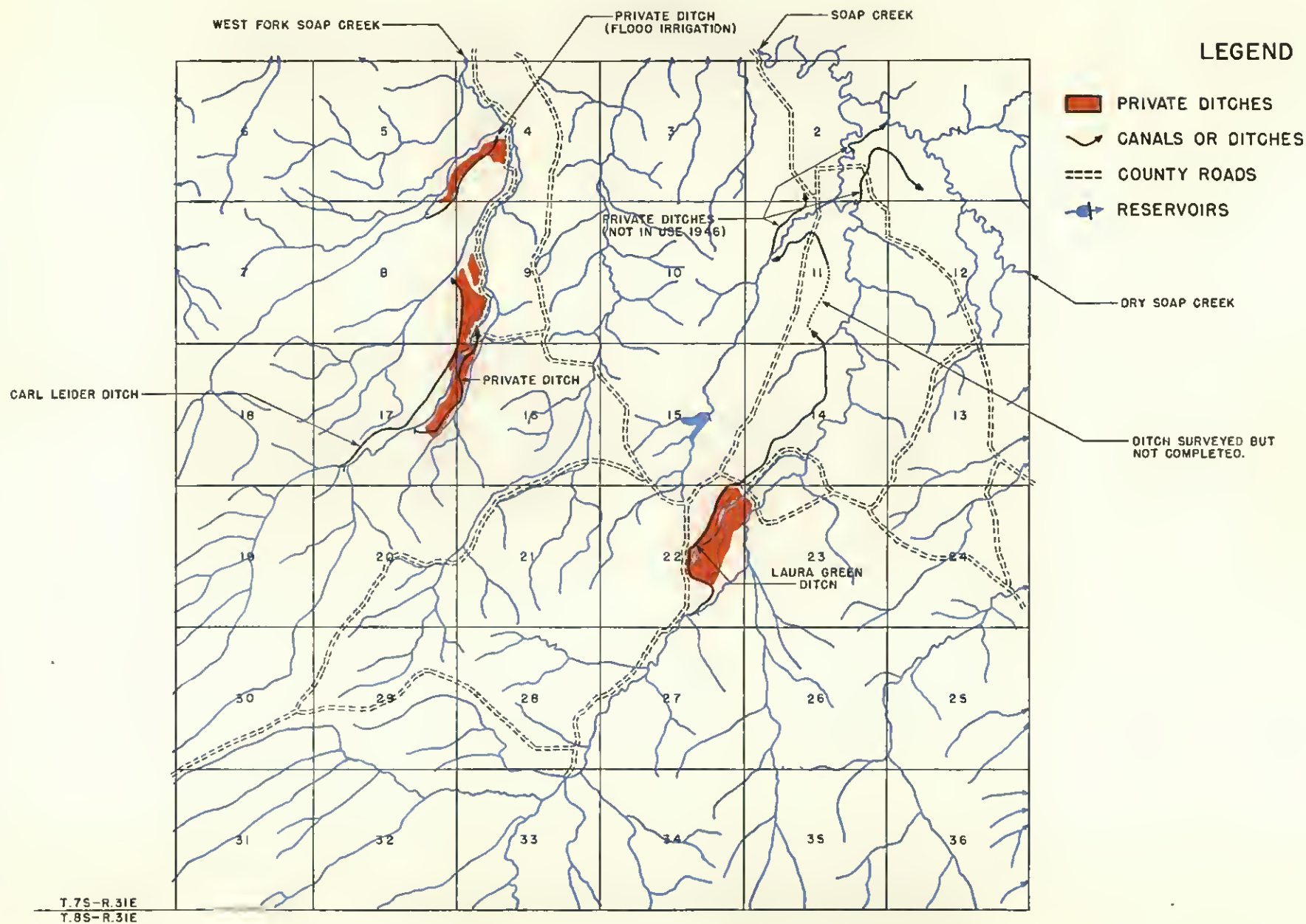
- FORTY MILE CANAL
- LODGE GRASS CANAL NO. 1.
- PRIVATE DITCHES
- CANALS OR DITCHES
- COUNTY ROADS

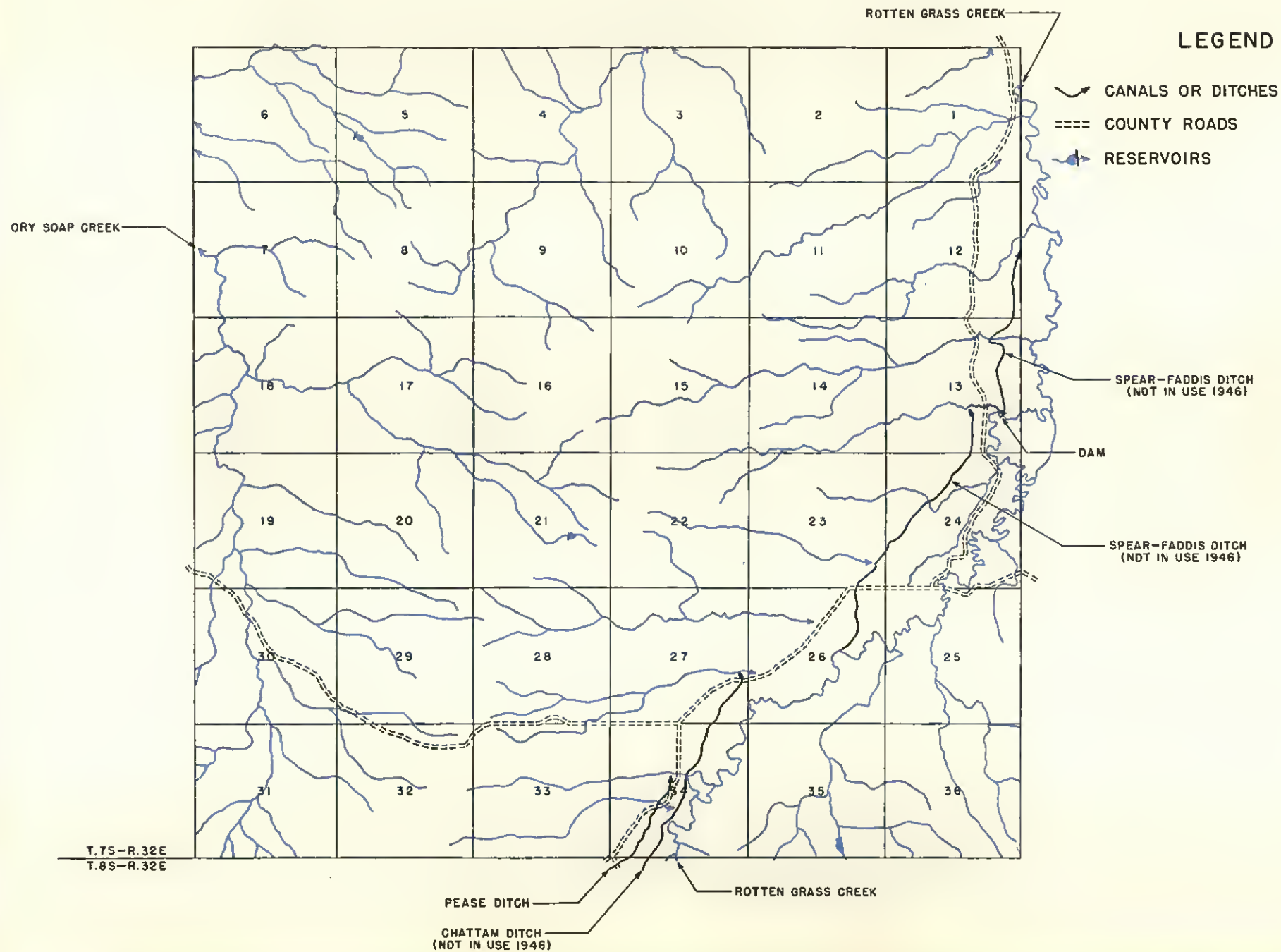


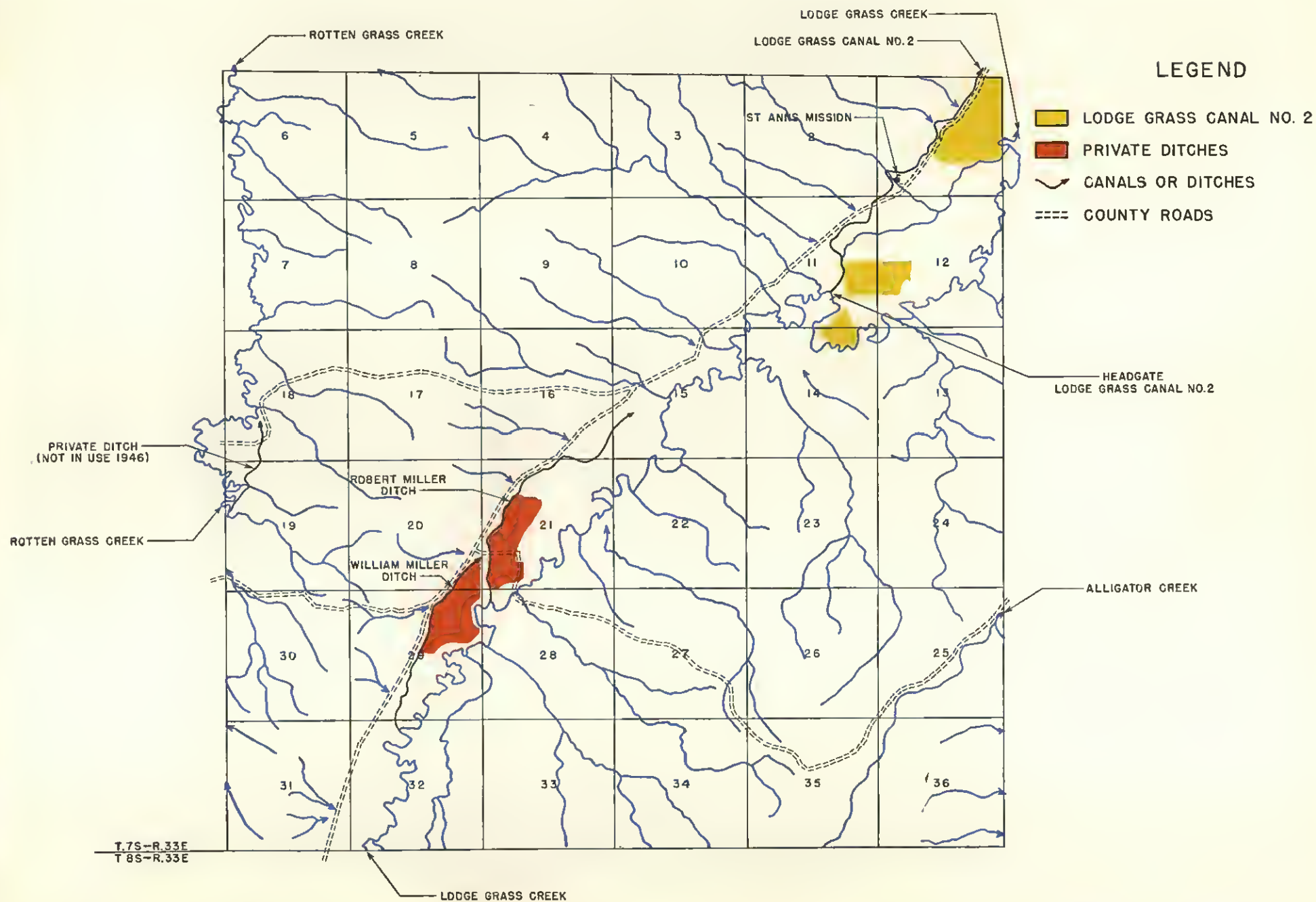


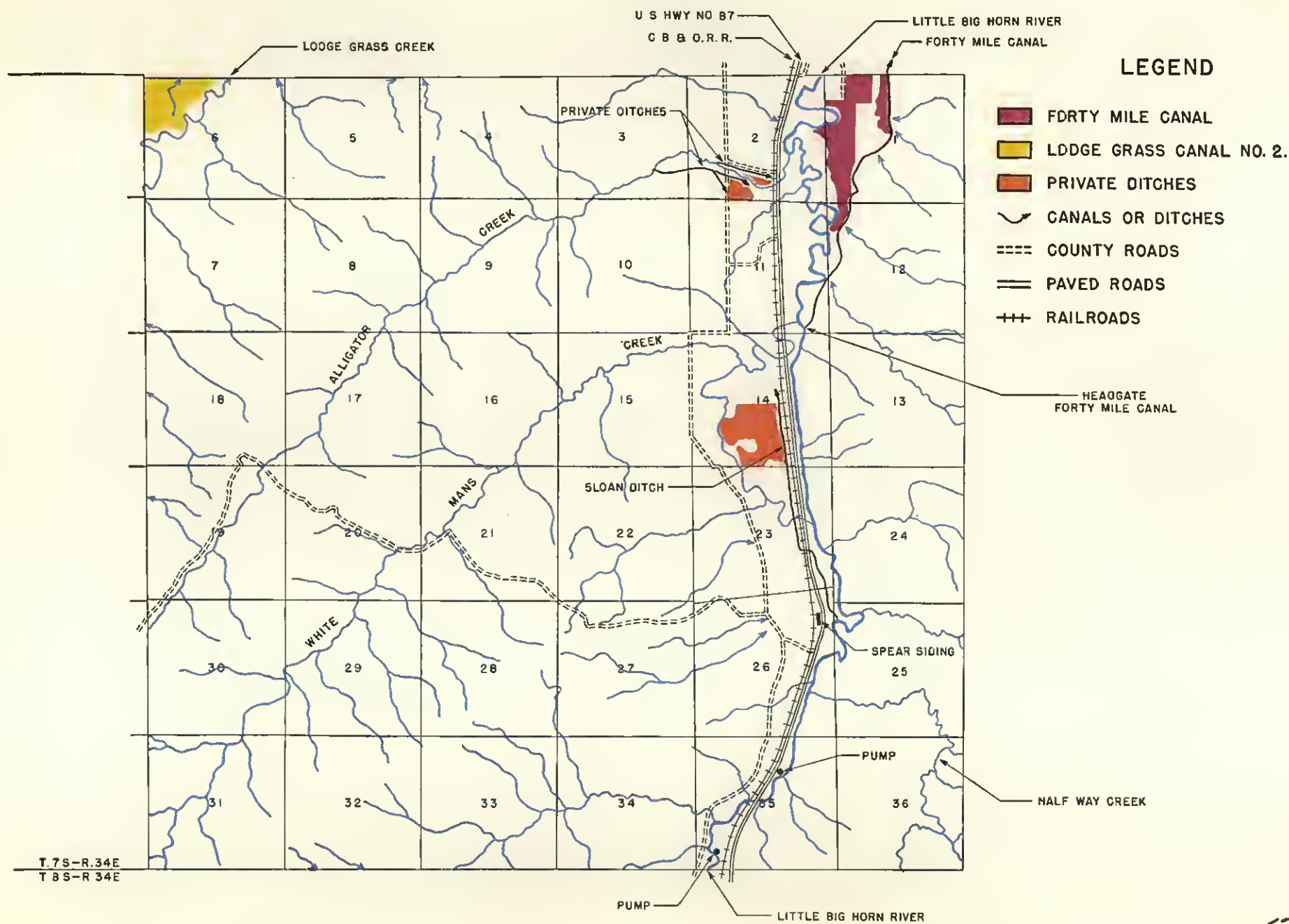


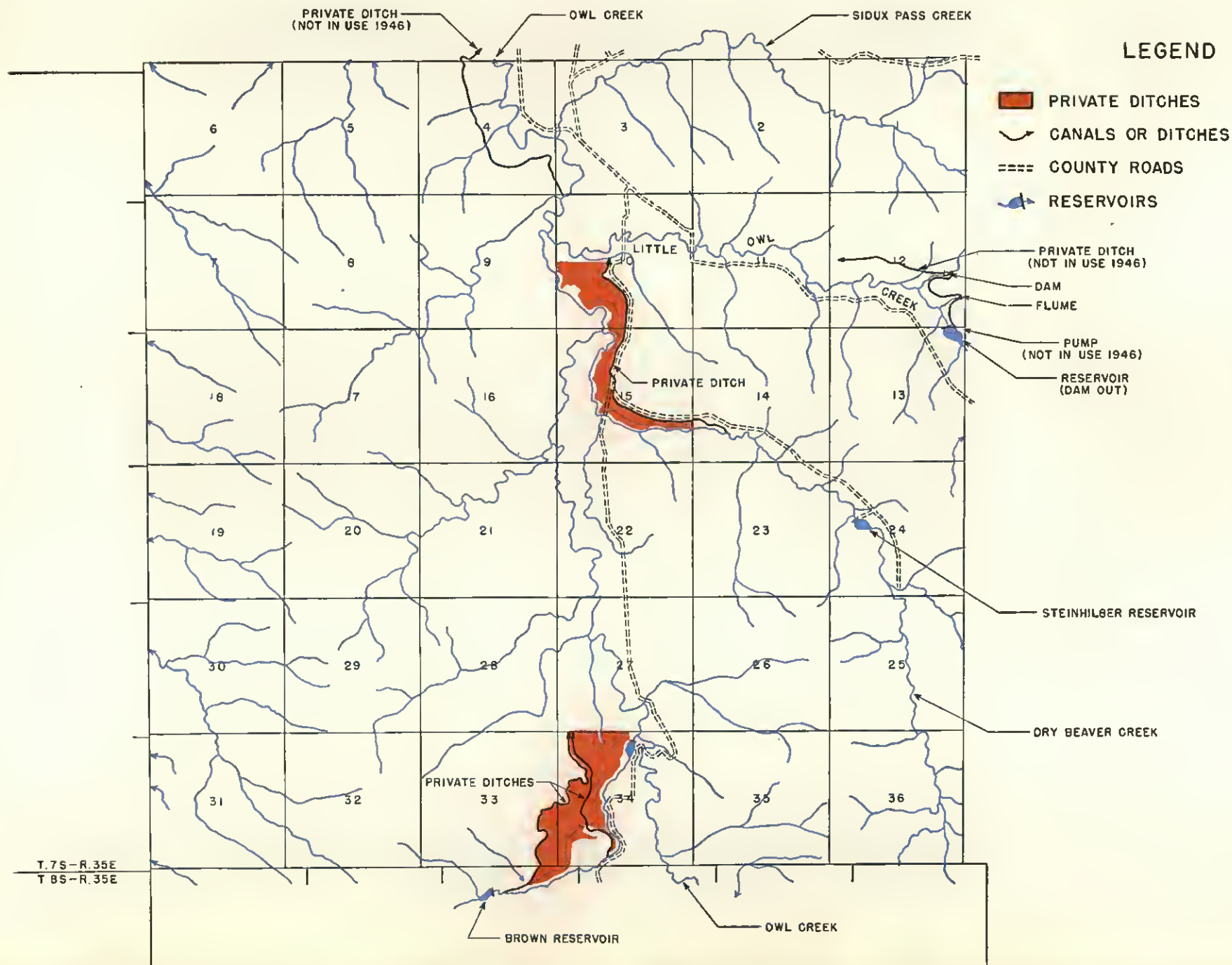










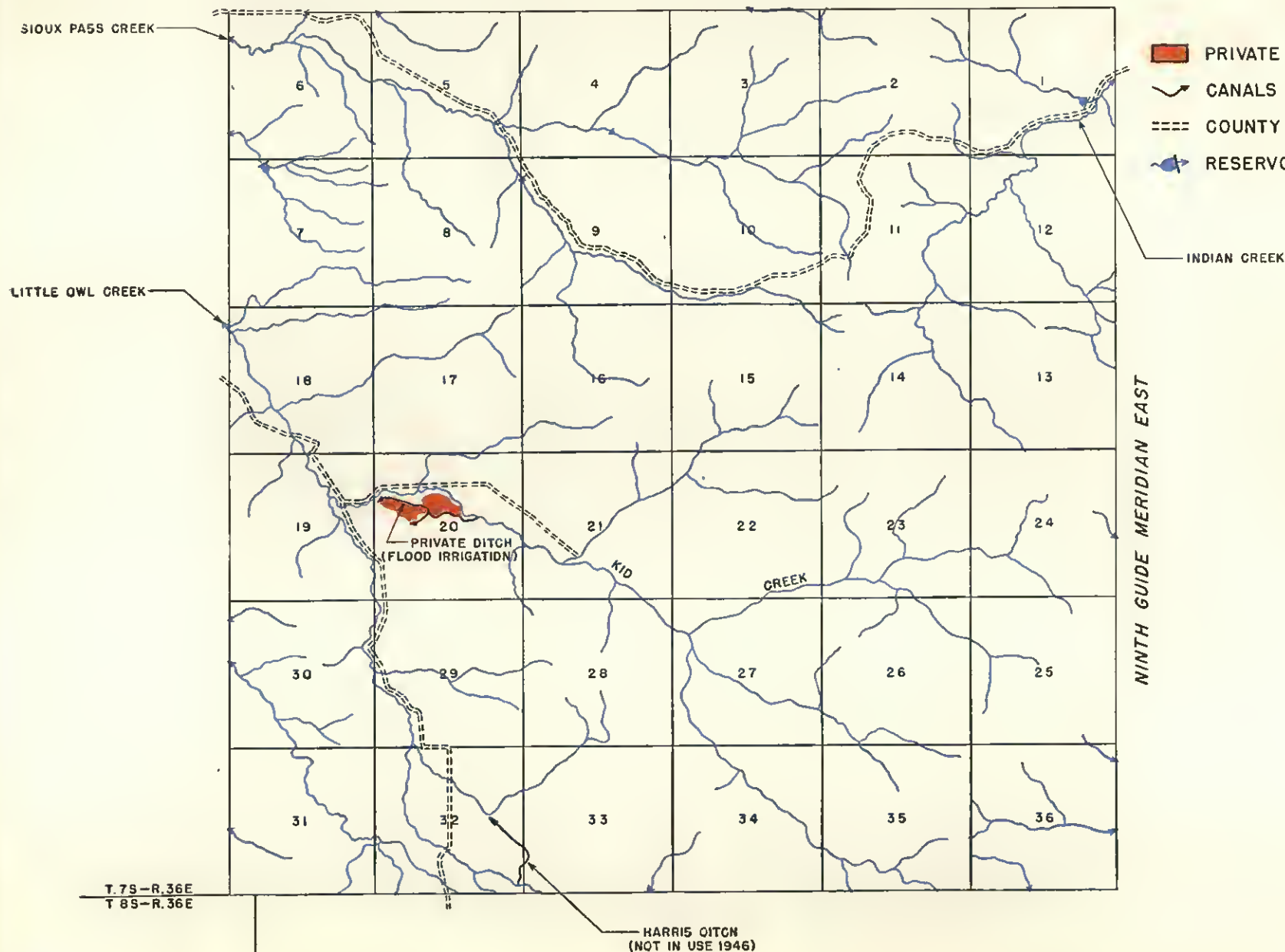


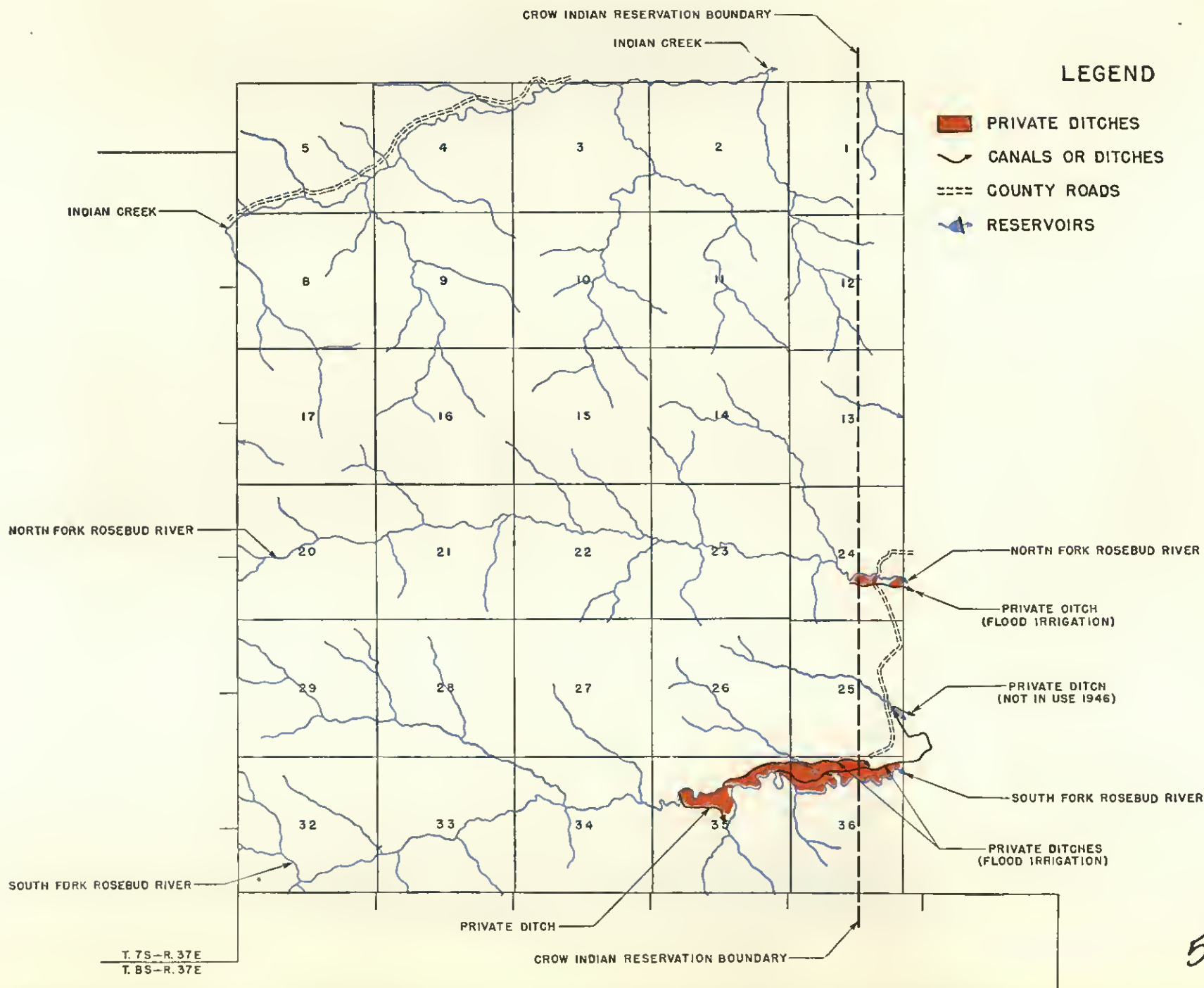


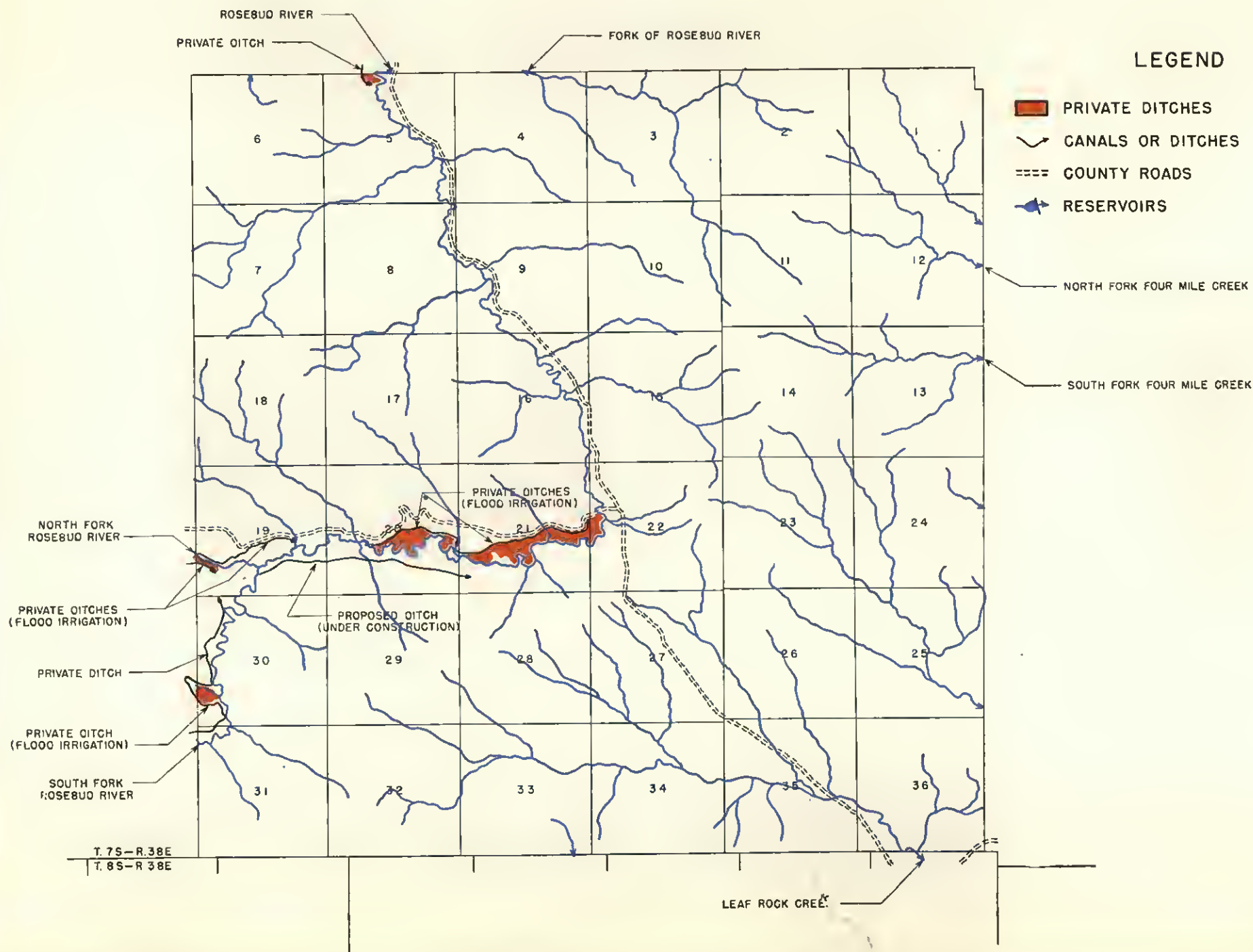


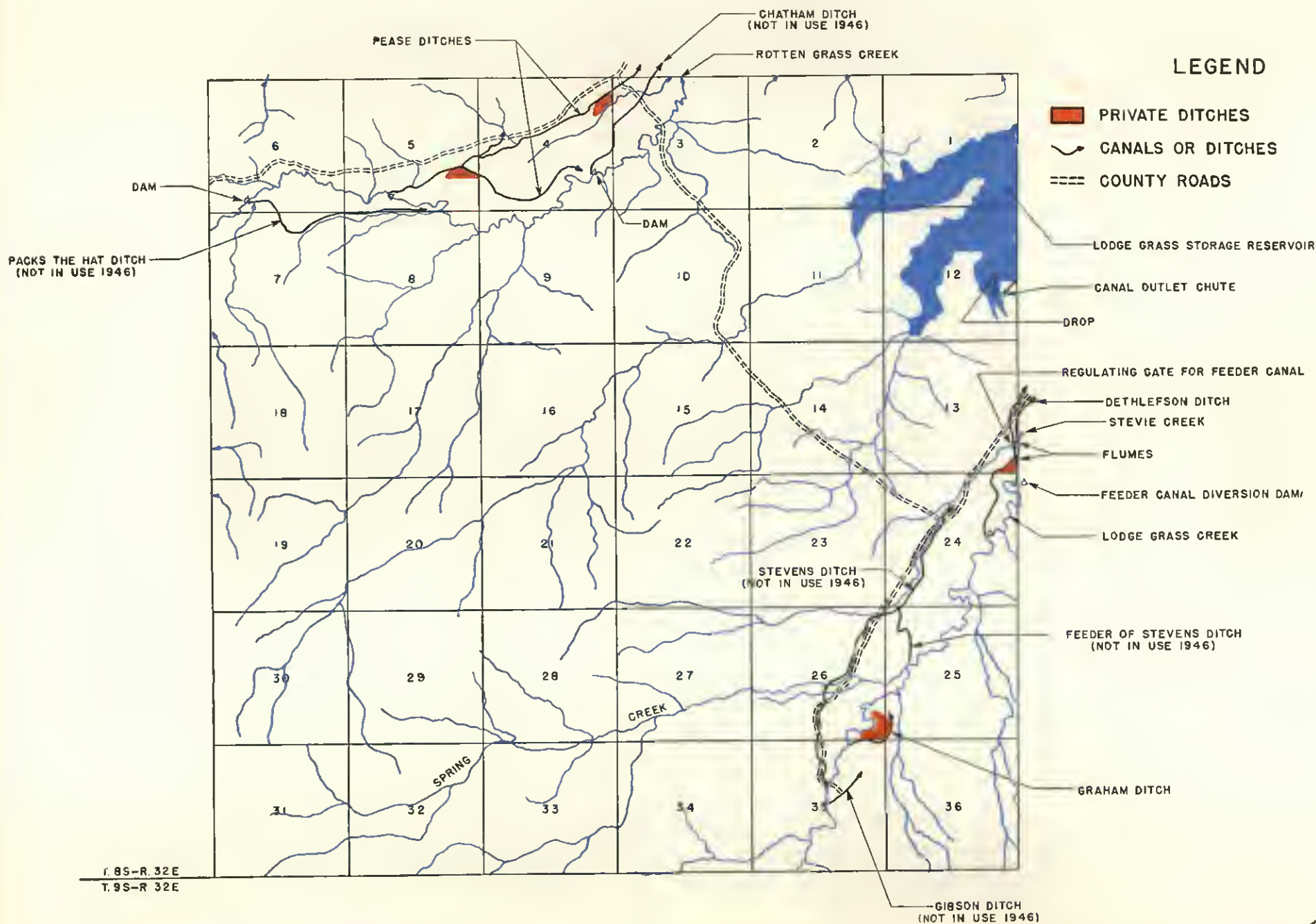
LEGEND

-  PRIVATE DITCHES
-  CANALS OR DITCHES
-  COUNTY ROADS
-  RESERVOIRS

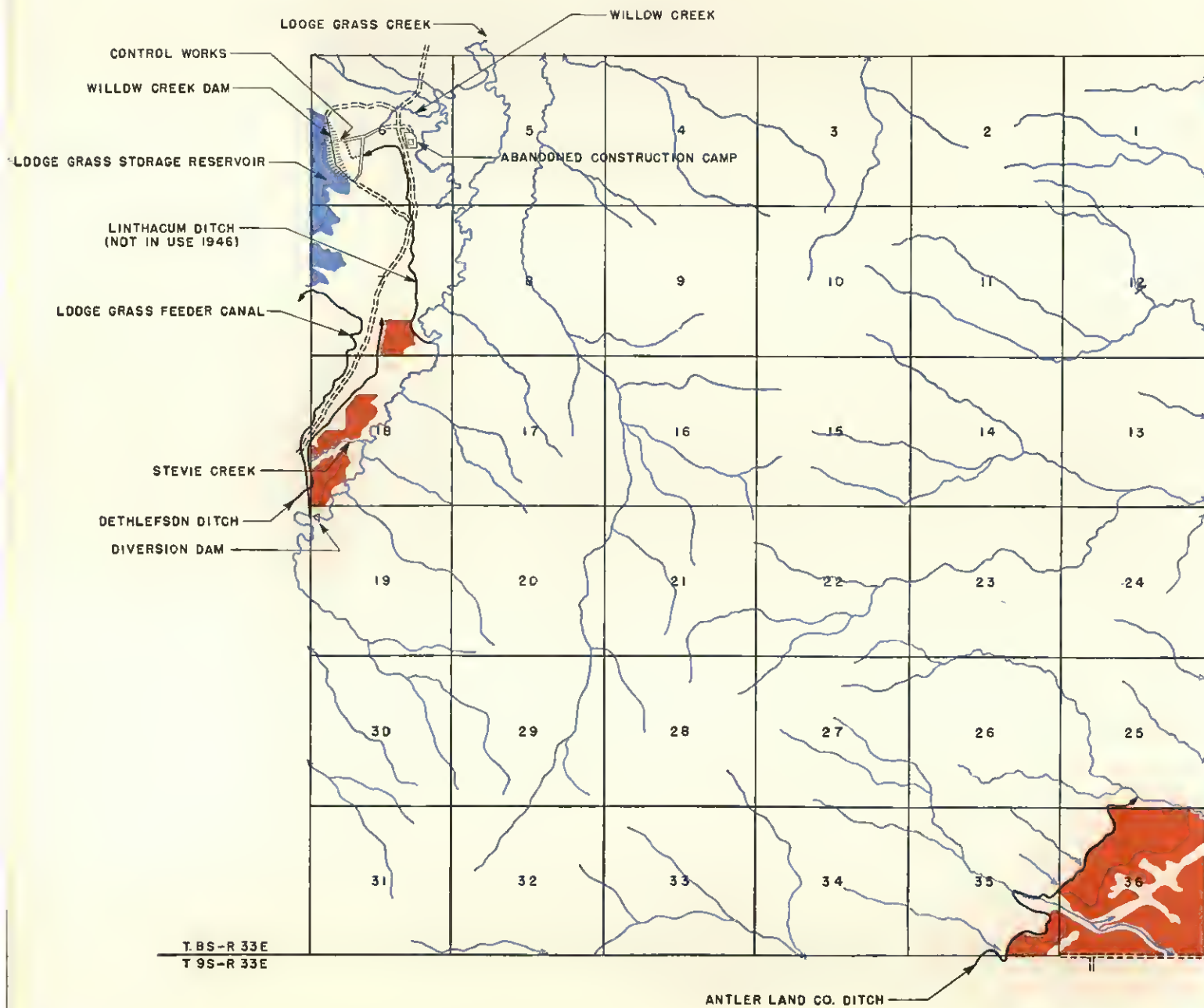


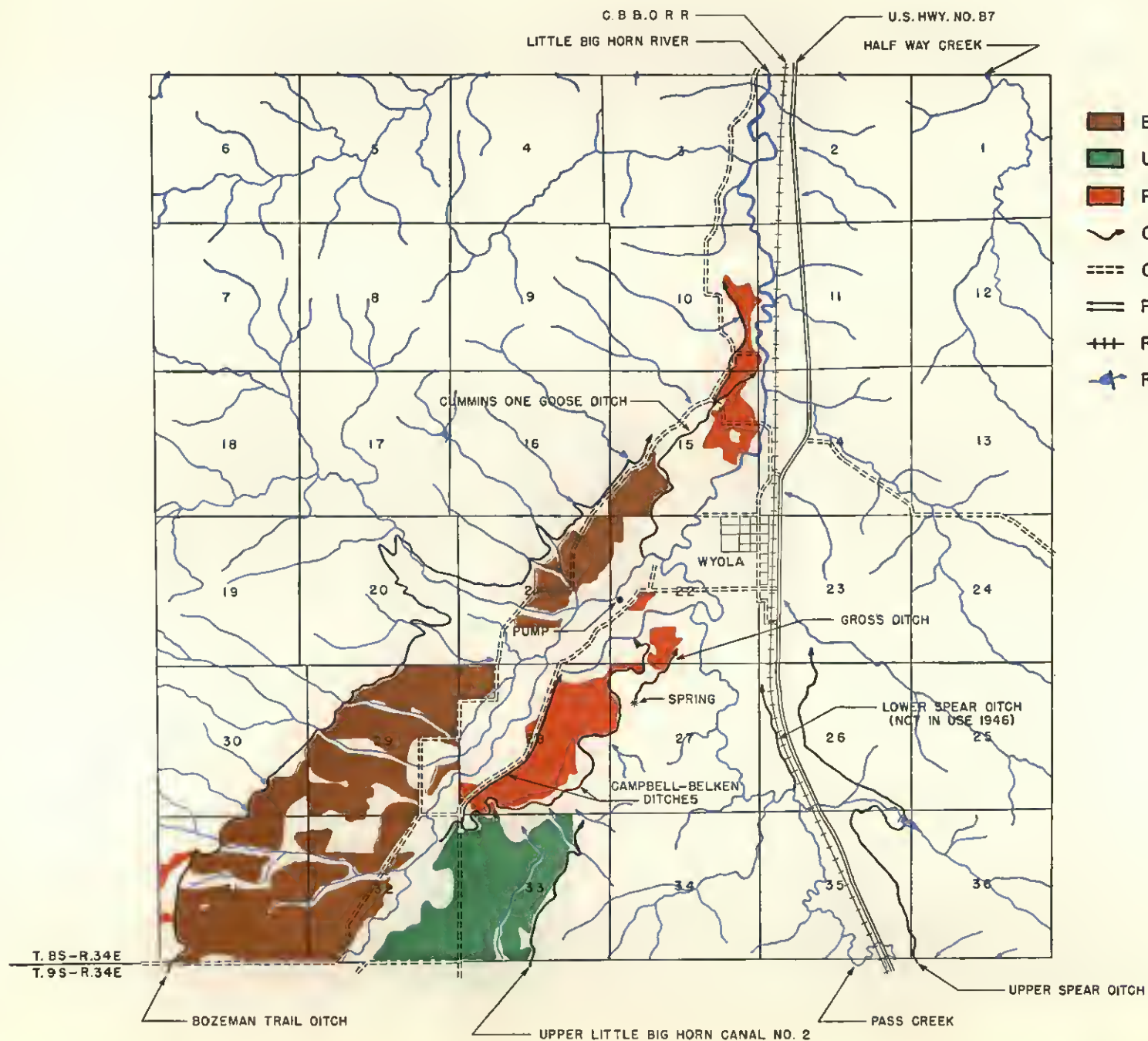






r. 8S-R. 32E
T. 9S-R. 32E





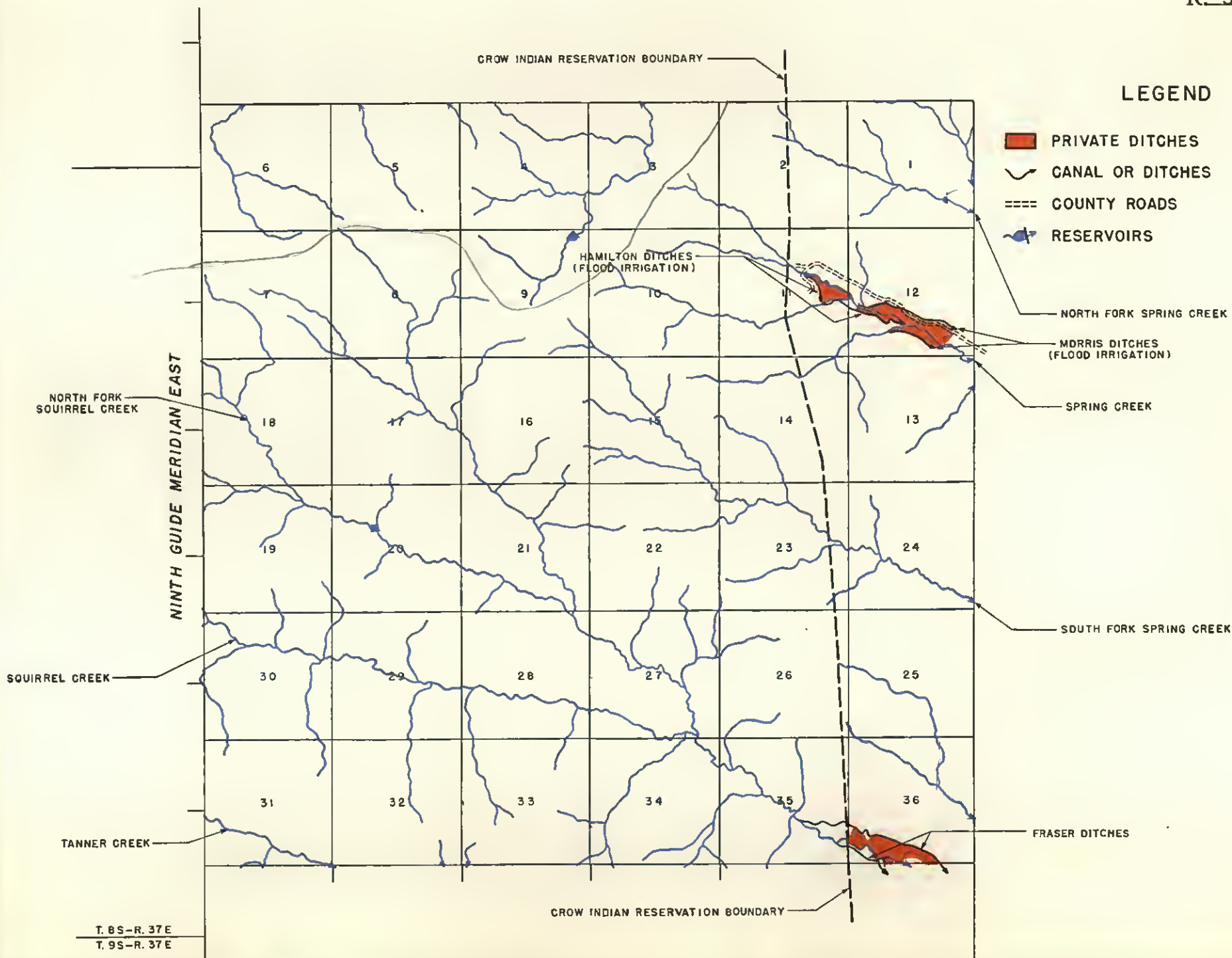
LEGEND

- BOZEMAN TRAIL CANAL
- UPPER LITTLE BIG HORN CANAL NO. 2
- PRIVATE DITCHES
- CANALS OR DITCHES
- COUNTY ROADS
- PAVED ROADS
- +





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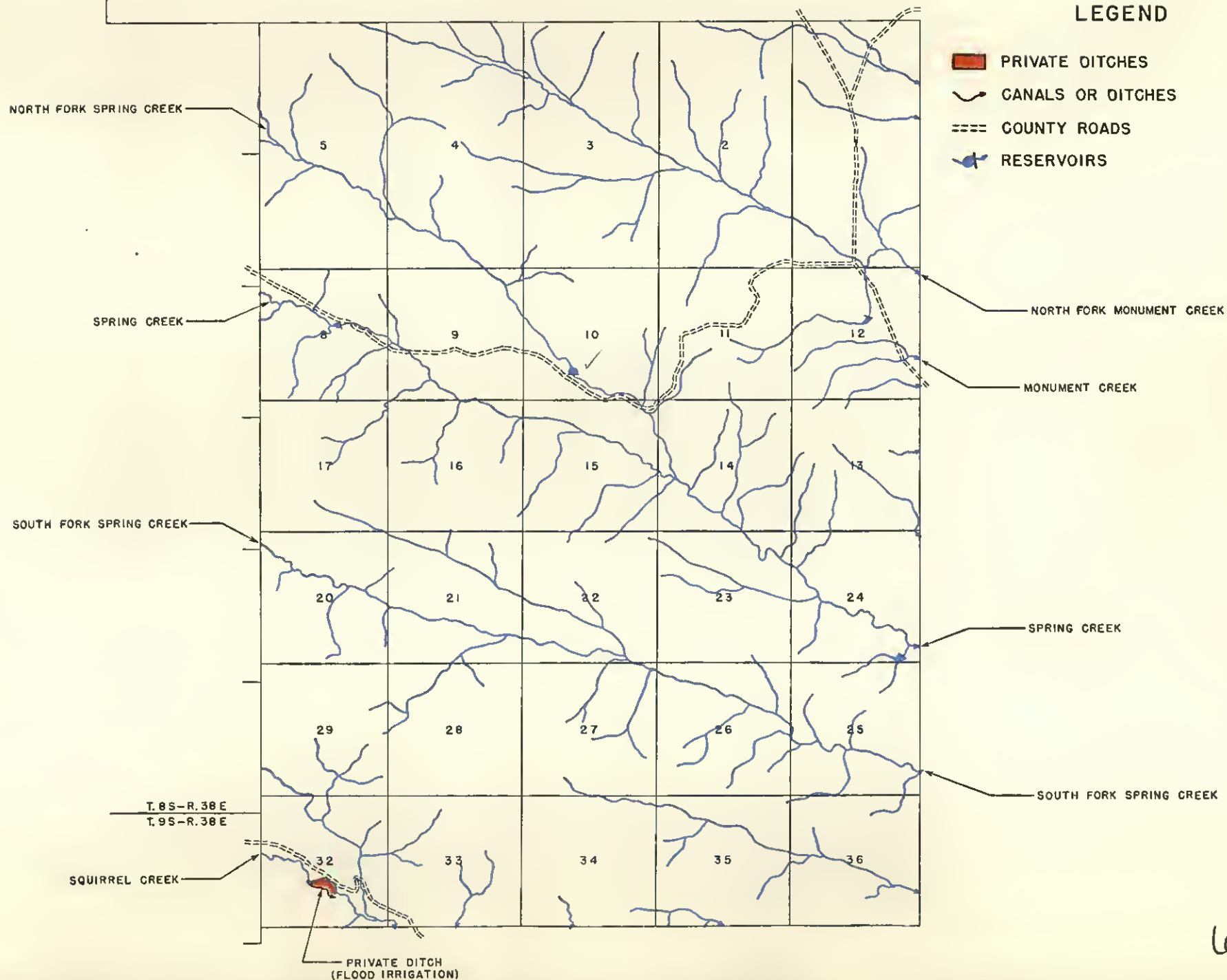
+

 RAILROADS
- RESERVOIRS



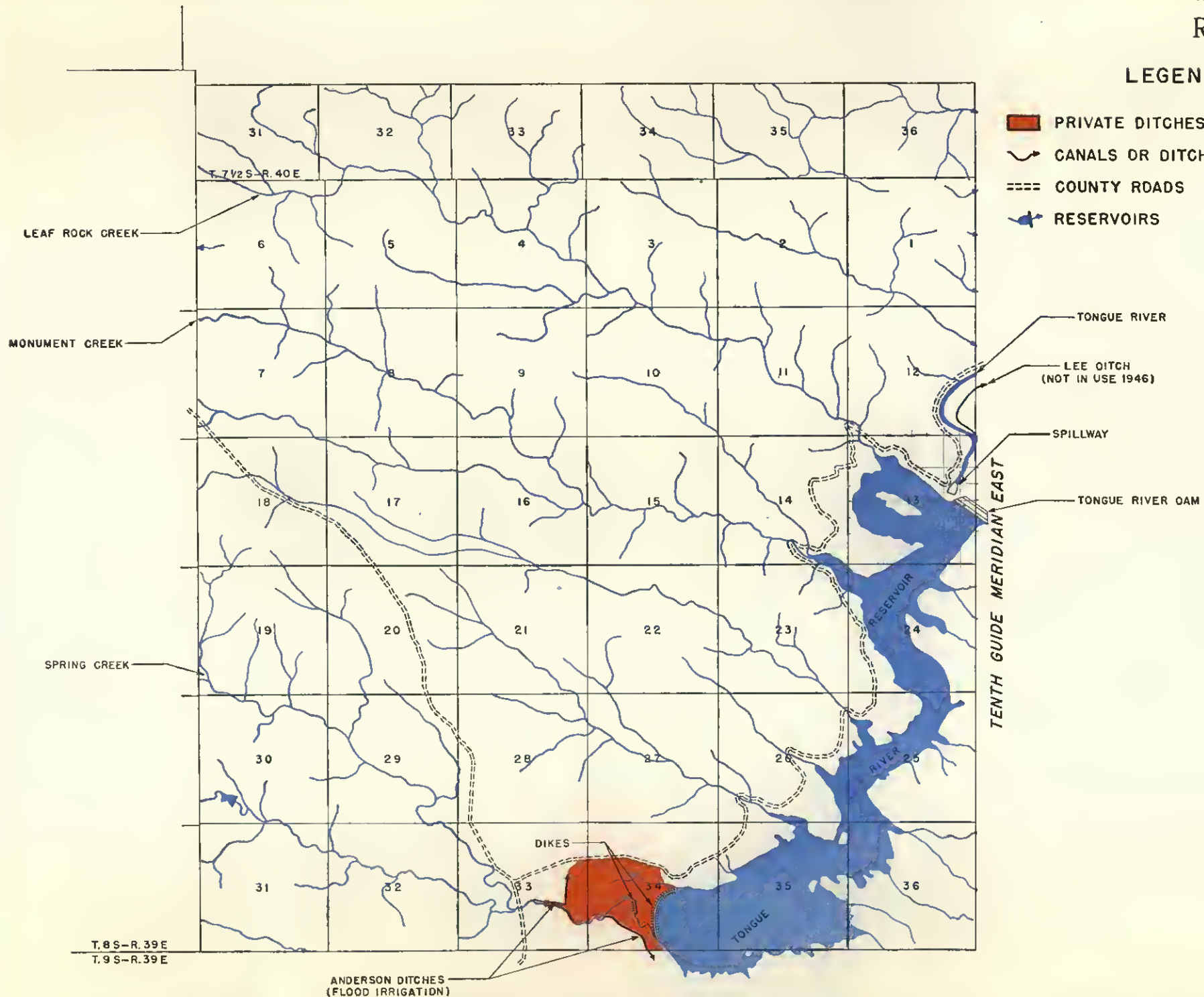
LEGEND

-  PRIVATE DITCHES
-  CANALS OR DITCHES
-  COUNTY ROADS
-  RESERVOIRS



LEGEND

- PRIVATE DITCHES
- CANALS OR DITCHES
- COUNTY ROADS
- RESERVOIRS



Township No. 8 SOUTH

Range No. 41 EAST

County BIG HORN

T. 8 SOUTH

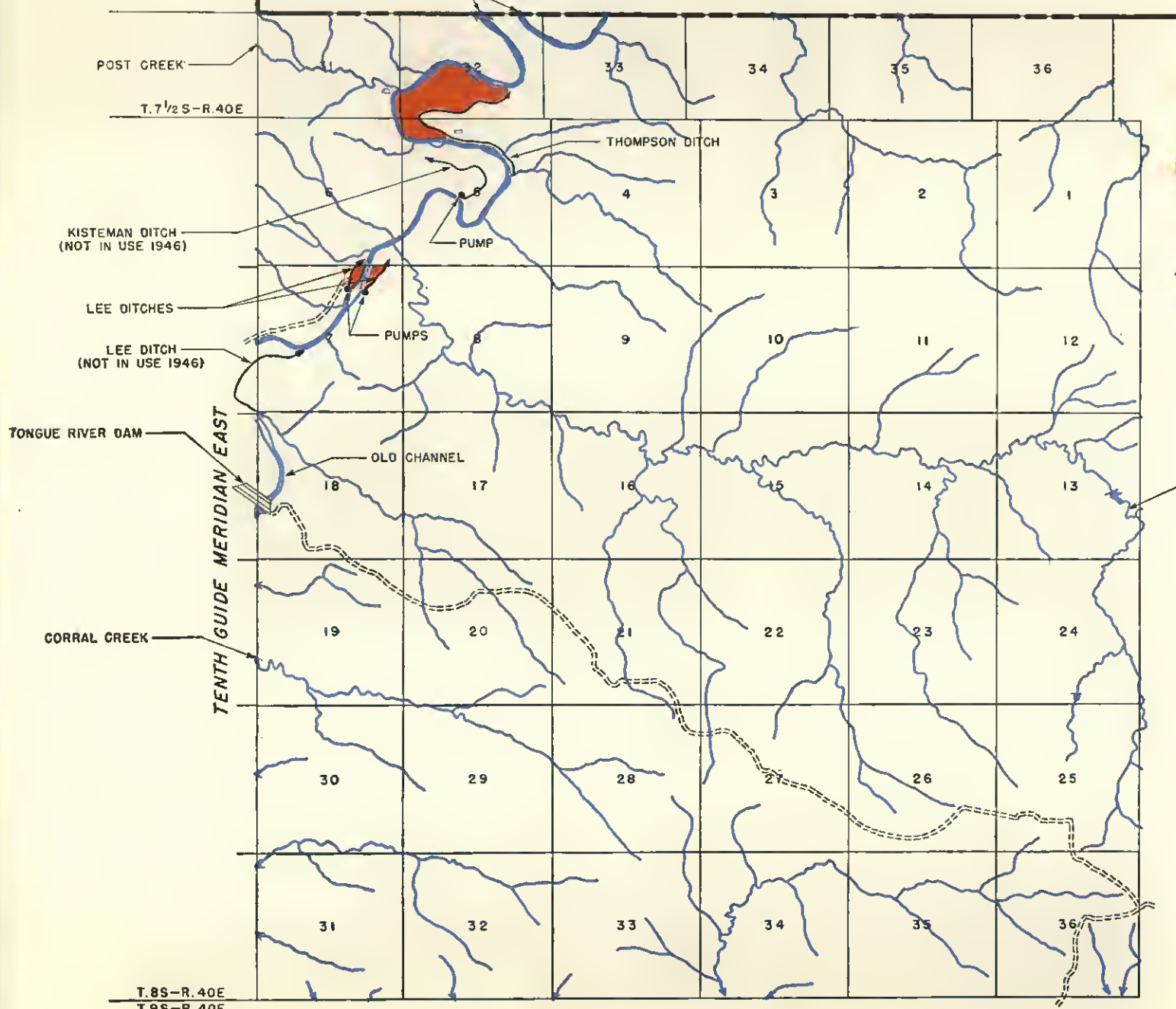
R. 41 EAST

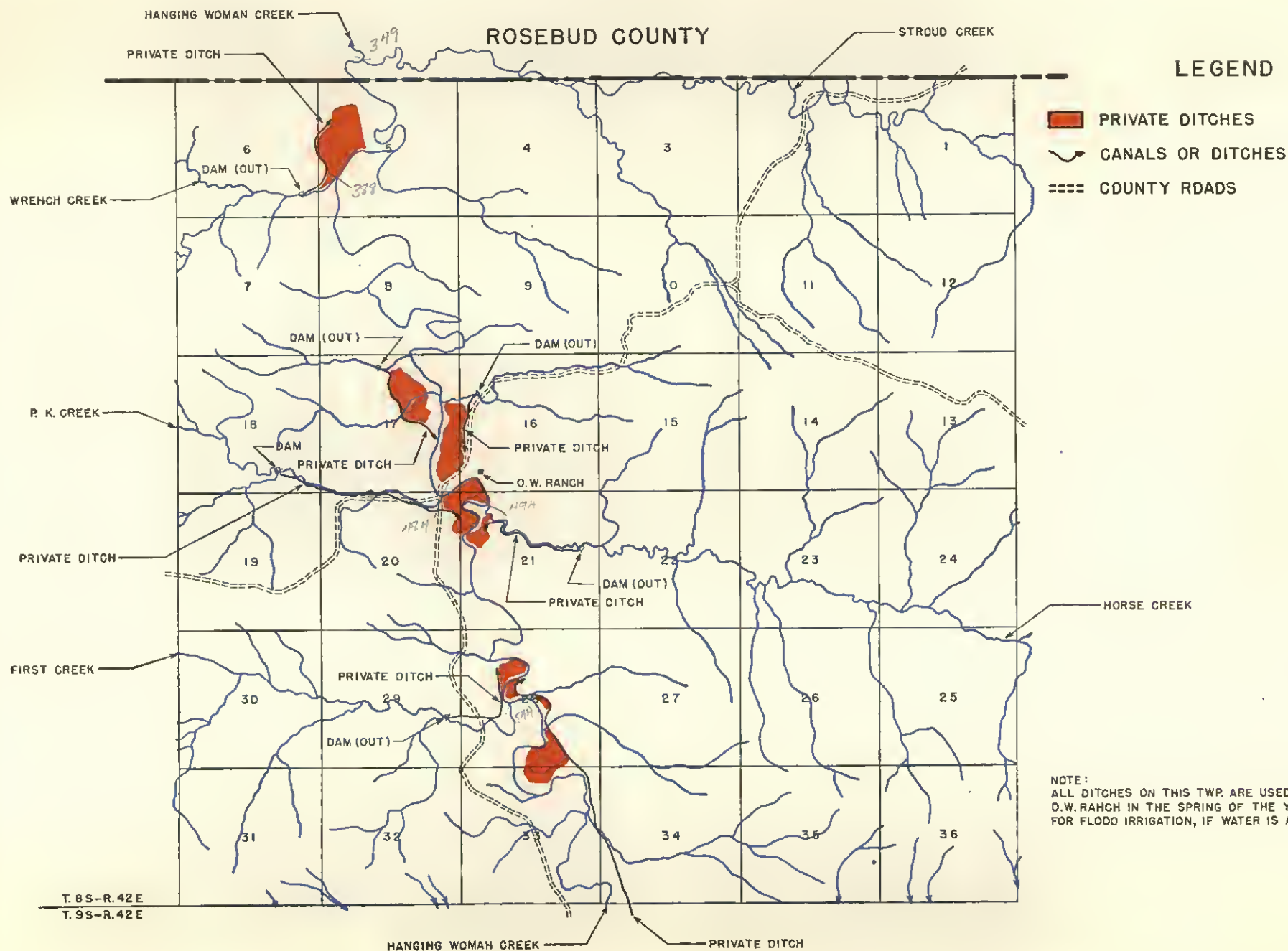
ROSEBUD COUNTY

LEGEND

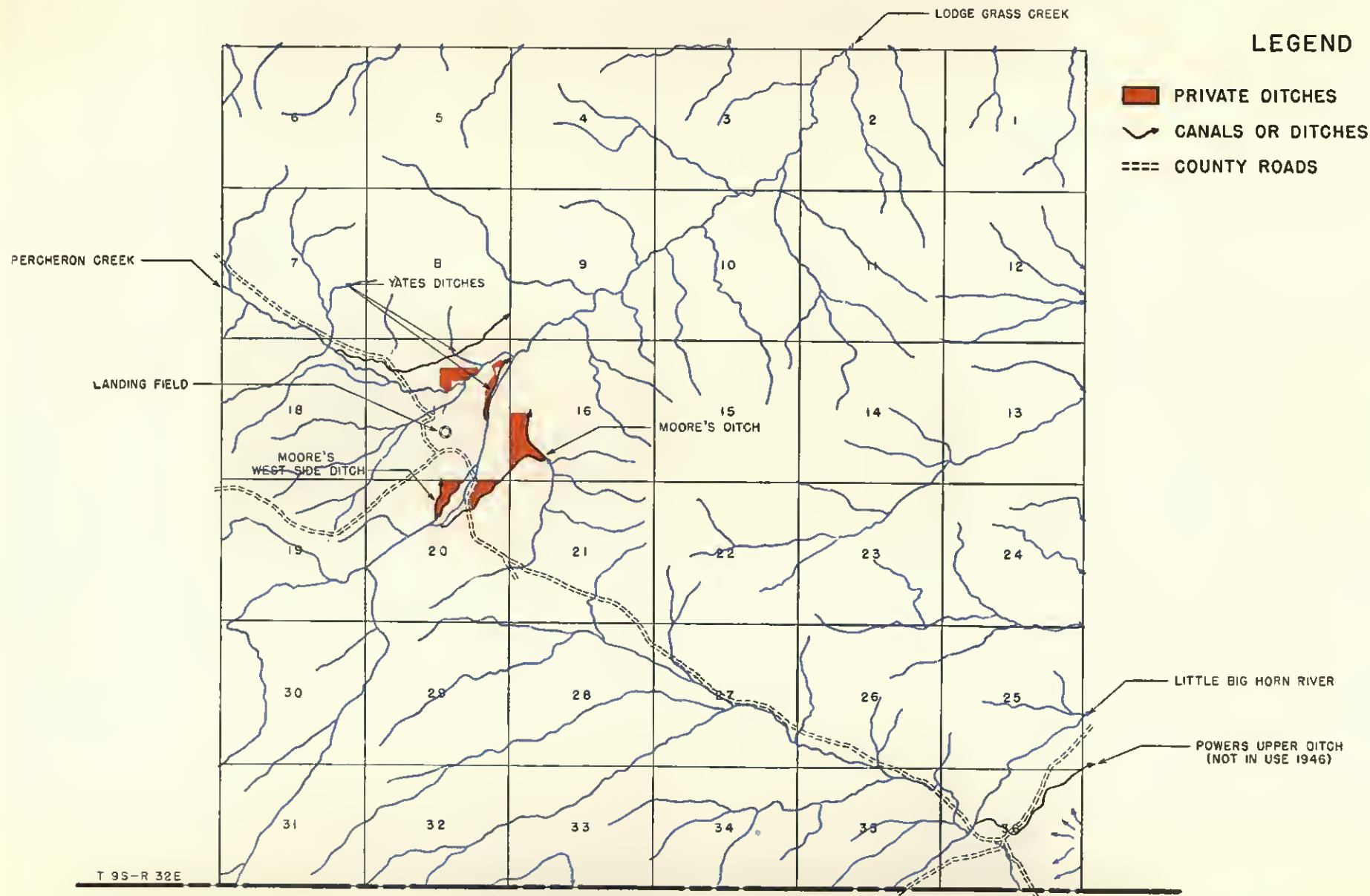
- PRIVATE DITCHES
- CANALS OR DITCHES
- COUNTY ROADS
- RESERVOIRS

TENTH GUIDE MERIDIAN EAST





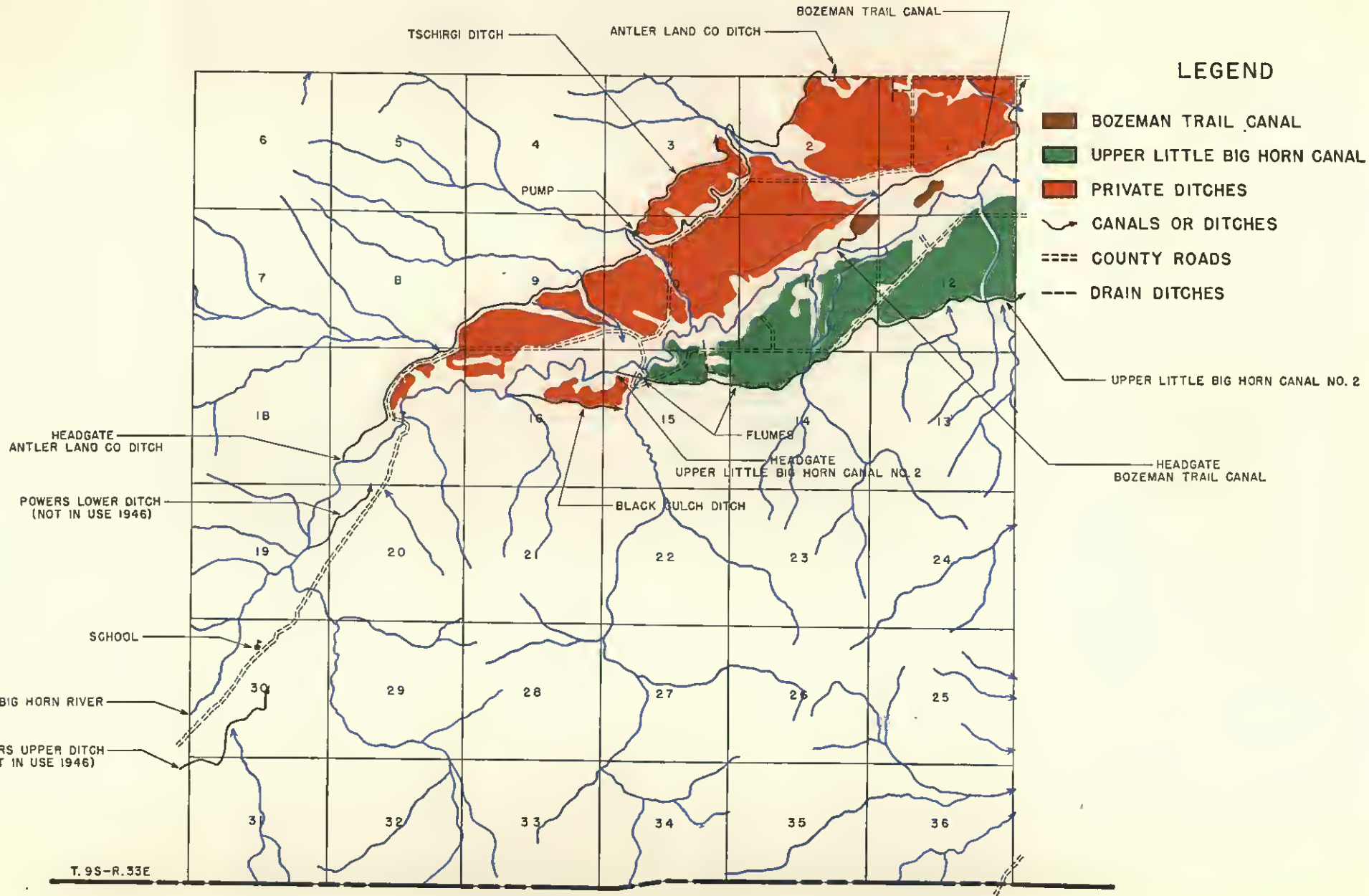
NOTE:
ALL DITCHES ON THIS TWP. ARE USED BY THE
O.W. RANCH IN THE SPRING OF THE YEAR
FOR FLOOD IRRIGATION, IF WATER IS AVAILABLE.



STATE OF WYOMING









LEGEND

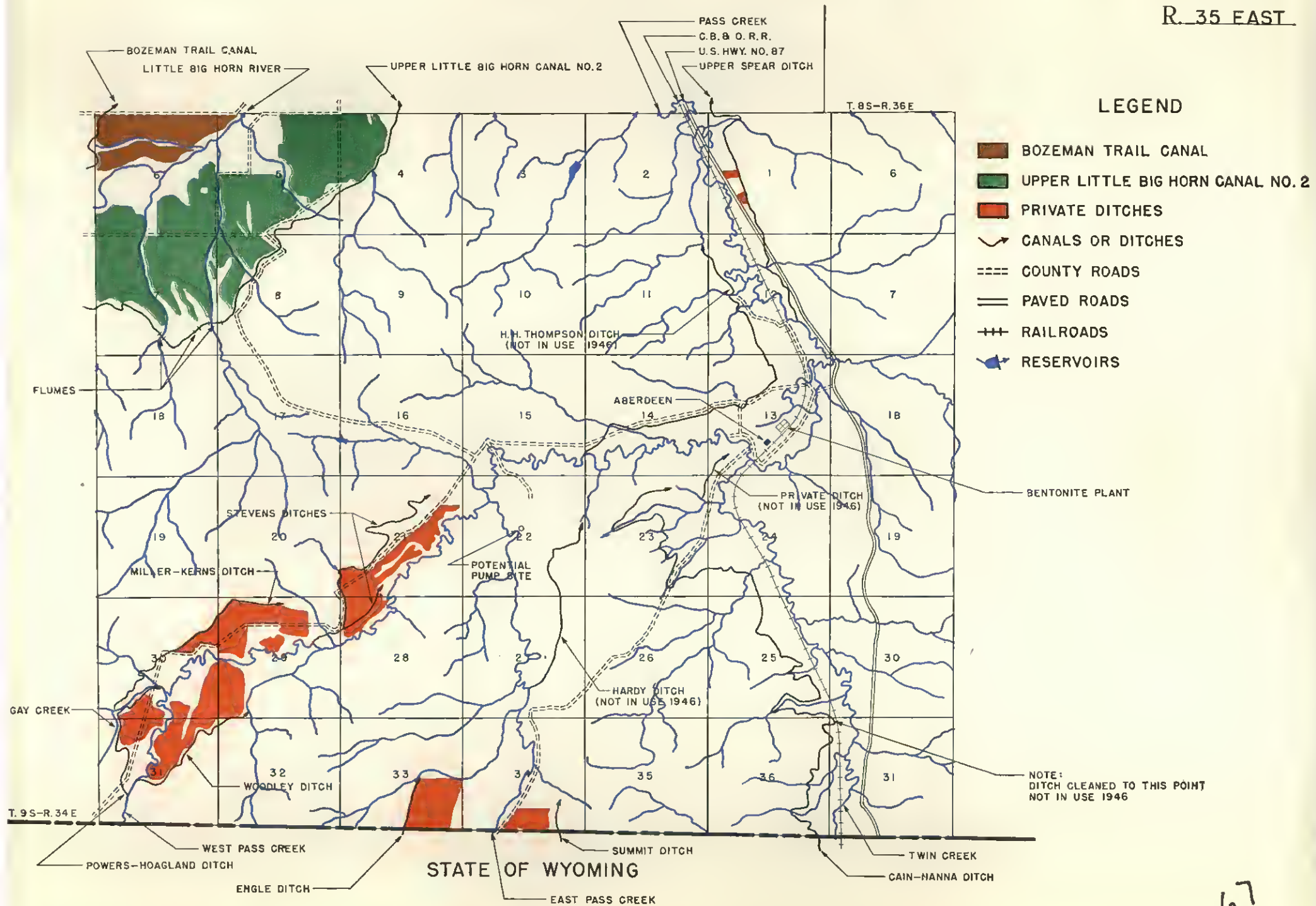
- BOZEMAN TRAIL CANAL
- UPPER LITTLE BIG HORN CANAL NO. 2
- PRIVATE DITCHES
- CANALS OR DITCHES
- COUNTY ROADS
- DRAIN DITCHES



STATE OF WYOMING

LEGEND

-  BOZEMAN TRAIL CANAL
-  UPPER LITTLE BIG HORN CANAL NO. 2
-  PRIVATE DITCHES
-  CANALS OR DITCHES
-  COUNTY ROADS
-  PAVED ROADS
-  RAILROADS
-  RESERVOIRS



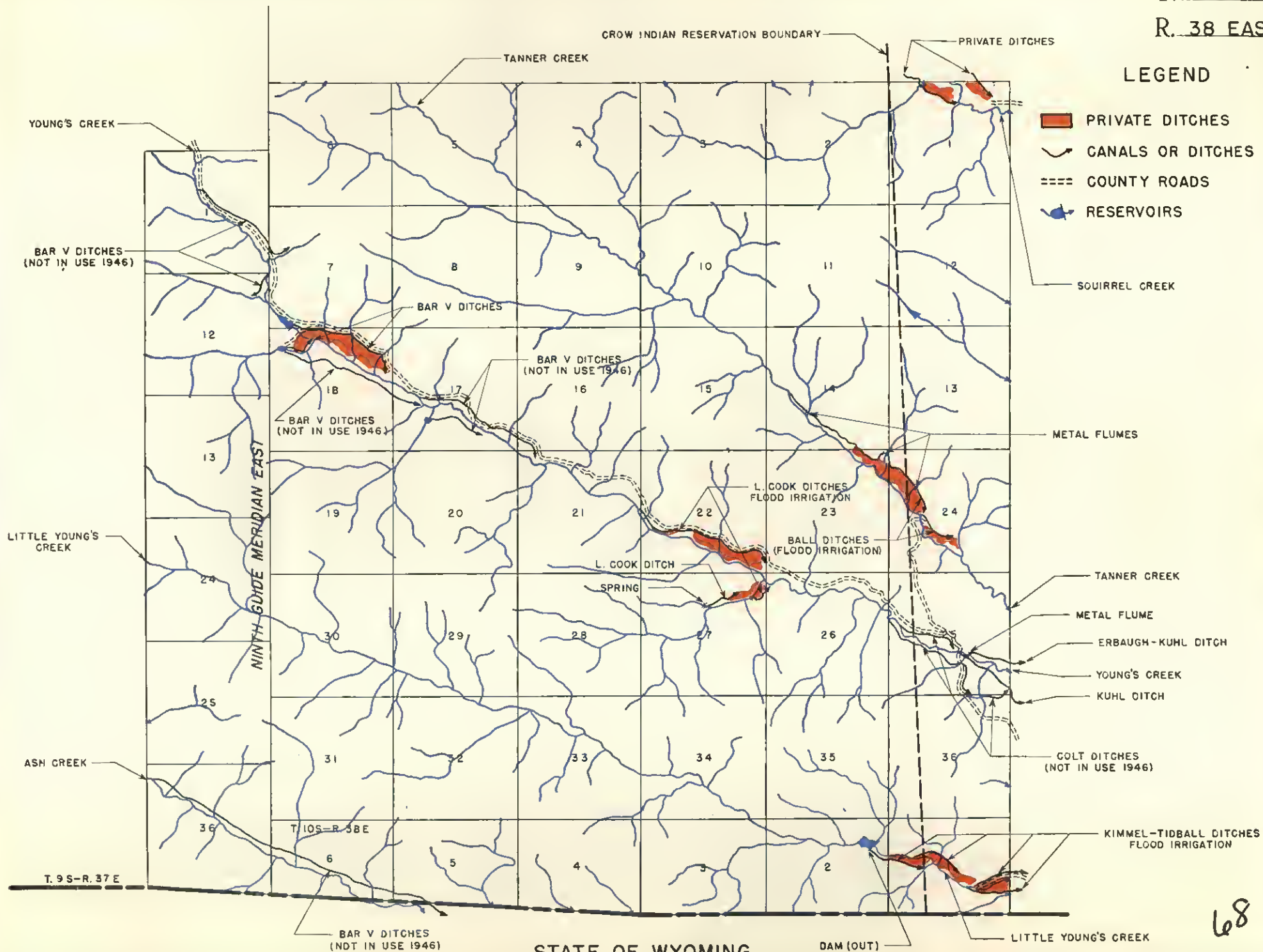
Township No. 9 SOUTH

Range No. 38 EAST






County BIG HORN

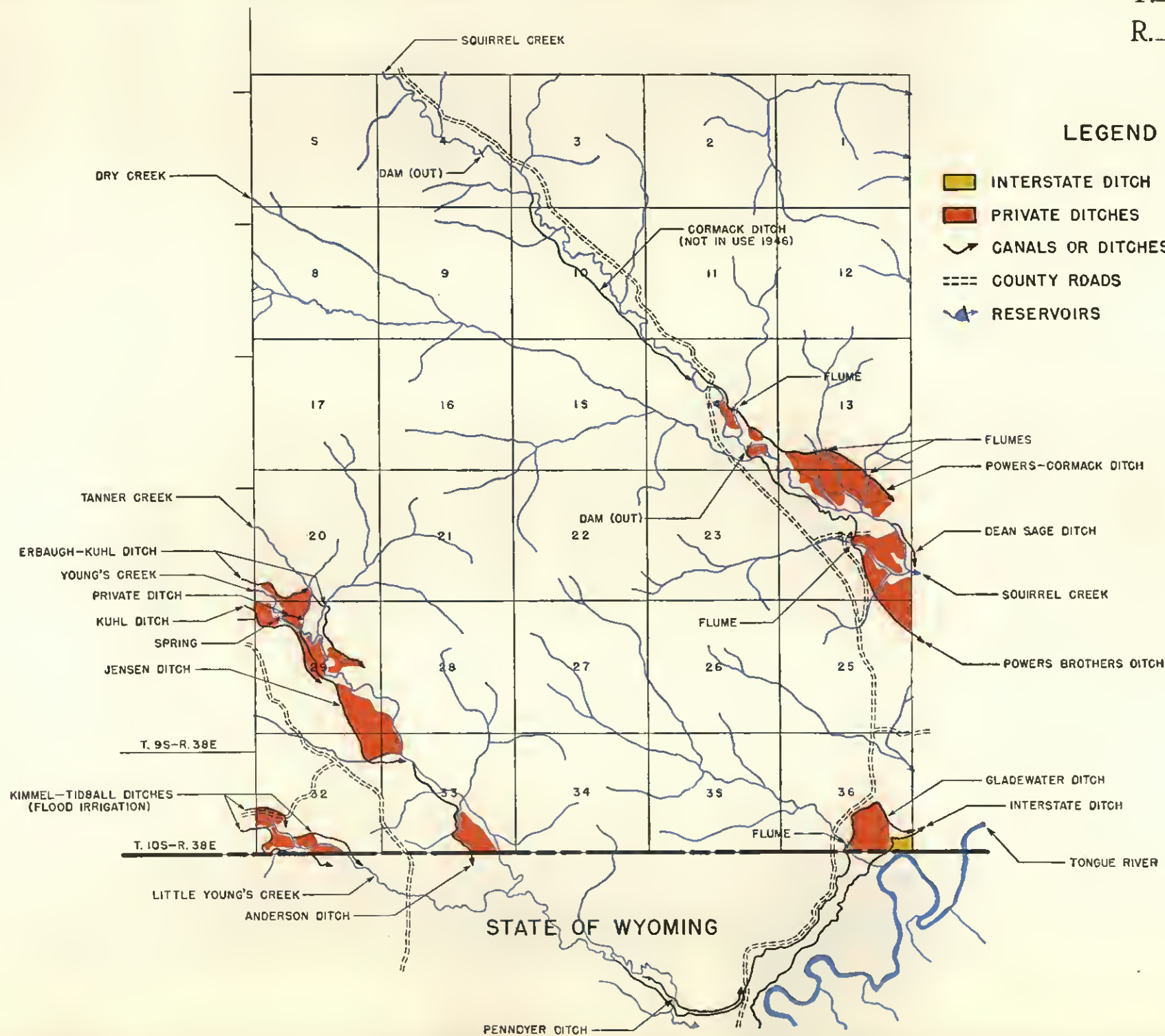
T. 9 SOUTH

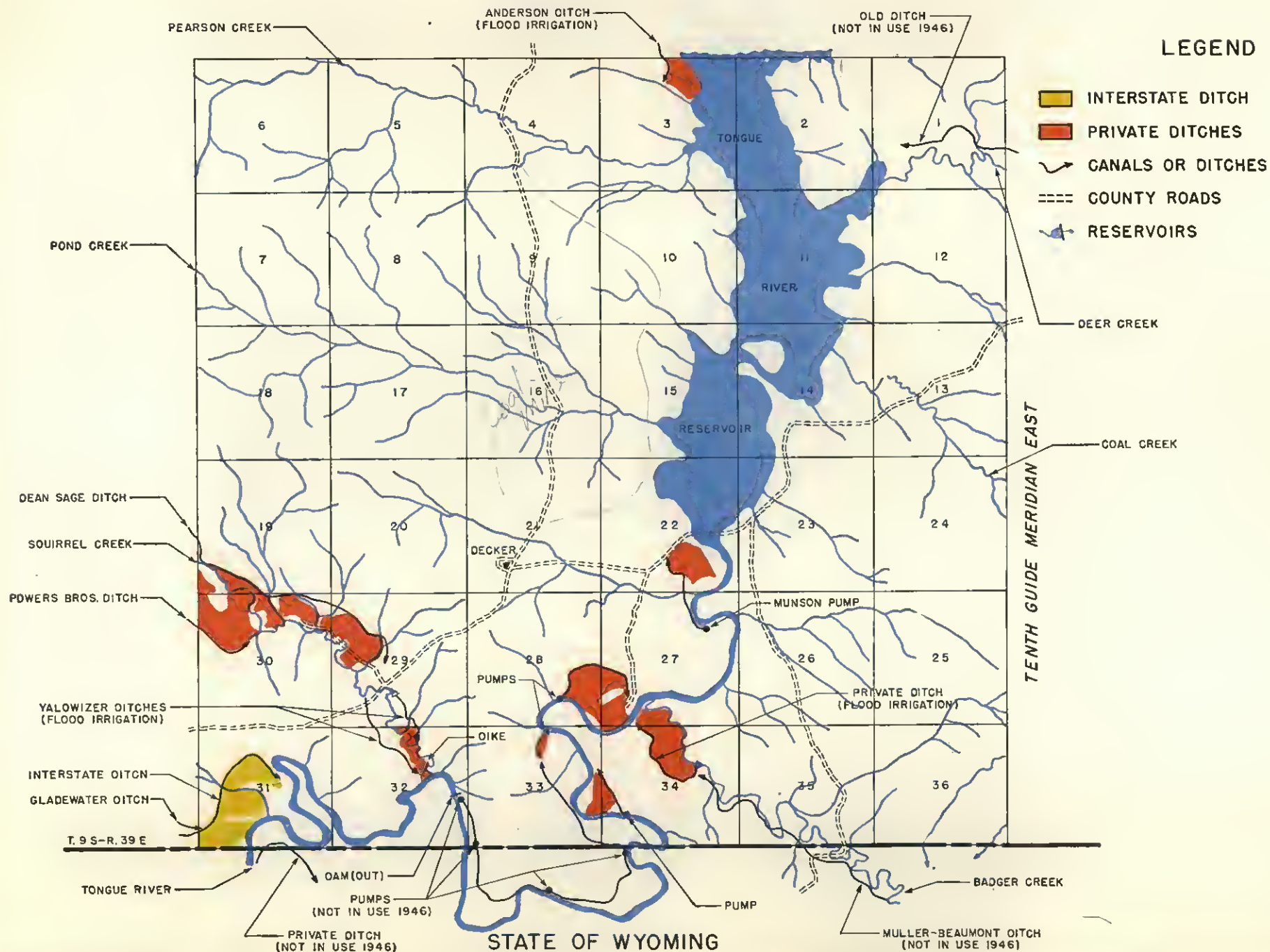
R. 38 EAST



LEGEND

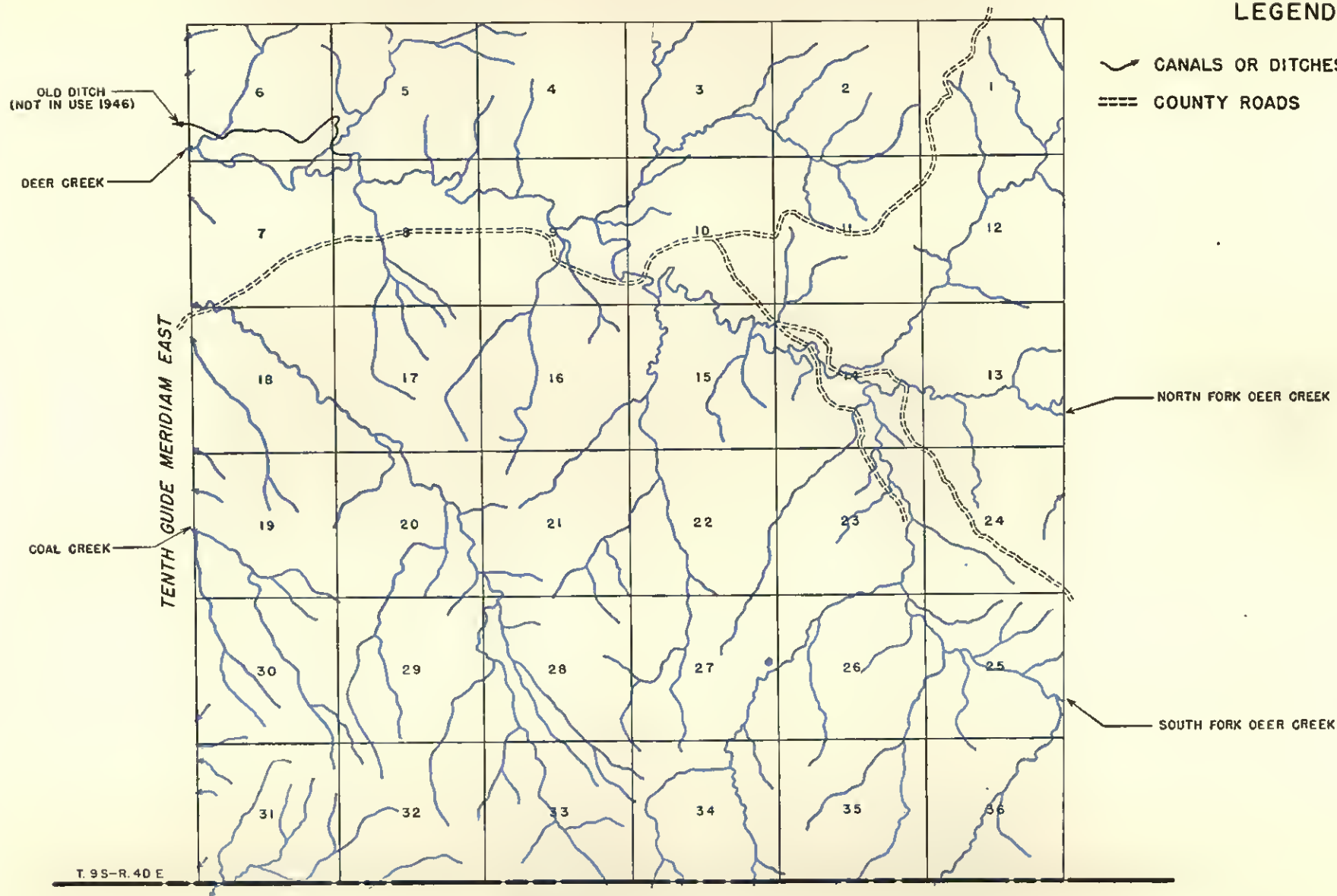
-  INTERSTATE DITCH
-  PRIVATE DITCHES
-  CANALS OR DITCHES
-  COUNTY ROADS
-  RESERVOIRS







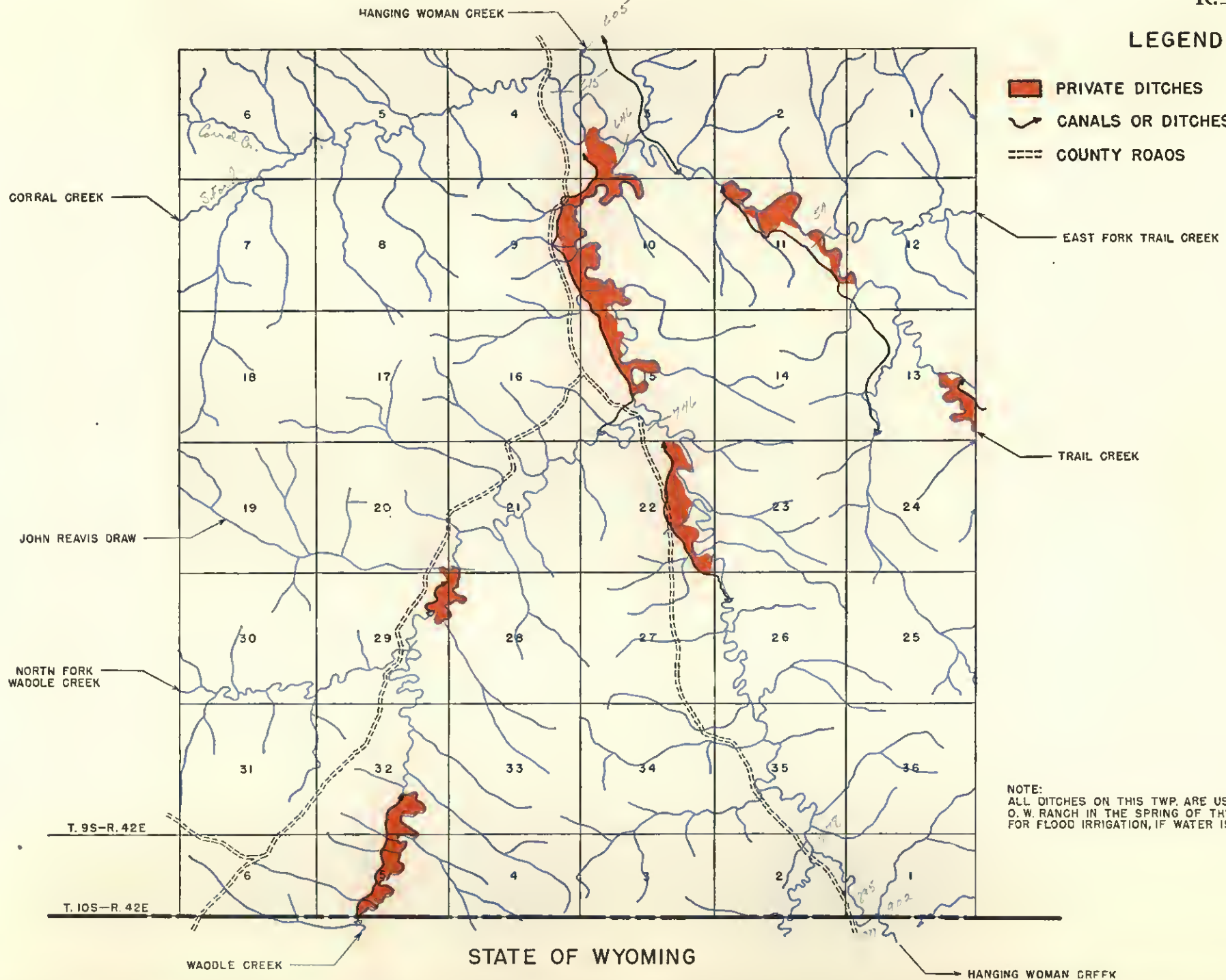
LEGEND

- CANALS OR DITCHES
--- COUNTY ROADS






LEGEND

- PRIVATE DITCHES
-  CANALS OR DITCHES
-  COUNTY ROADS



LEGEND

-  PRIVATE DITCHES
-  CANALS OR DITCHES
-  RESERVOIRS

EAST FORK TRAIL CREEK

TRAIL CREEK

EAST FORK TRAIL CREEK

POWDER RIVER
COUNTY

TRAIL CREEK

T. 9 S - R. 43 E

T. 10 S - R. 43 E

NOTE:
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STATE OF WYOMING

SEVENTY SIX CREEK